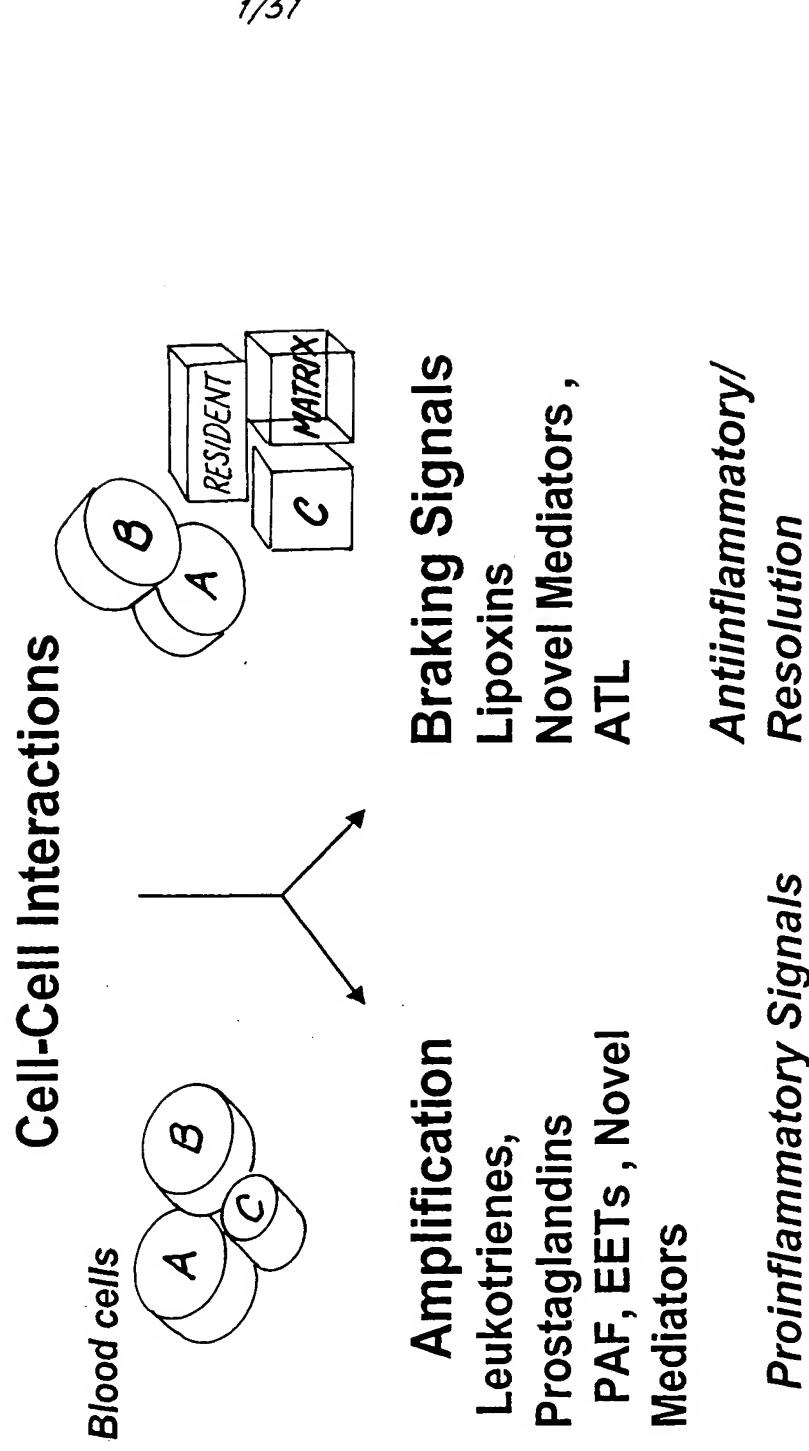


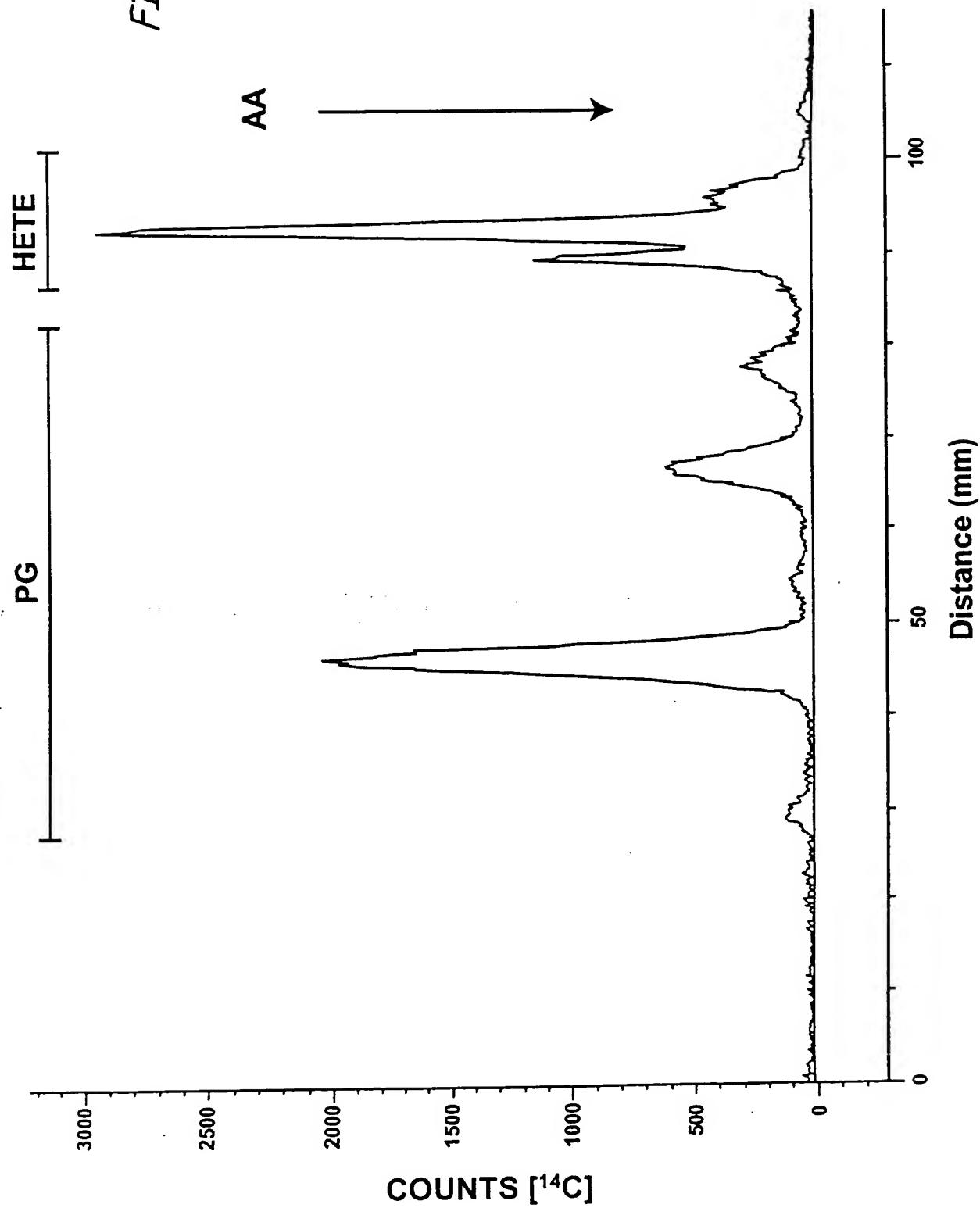
FIG. 1

## Transcellular LM Biosynthesis

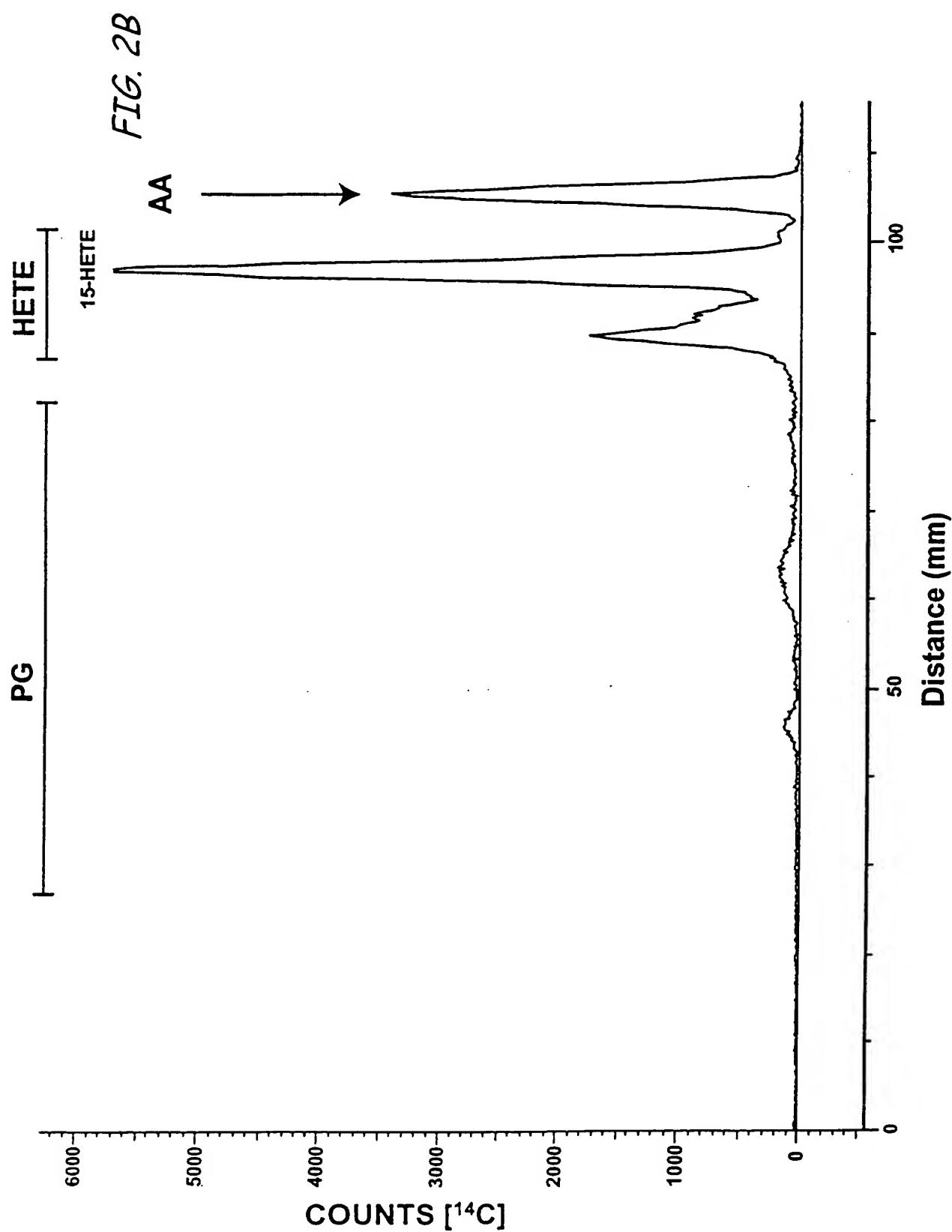


2/51

FIG. 2A



3/51



4/51

FIG. 2C

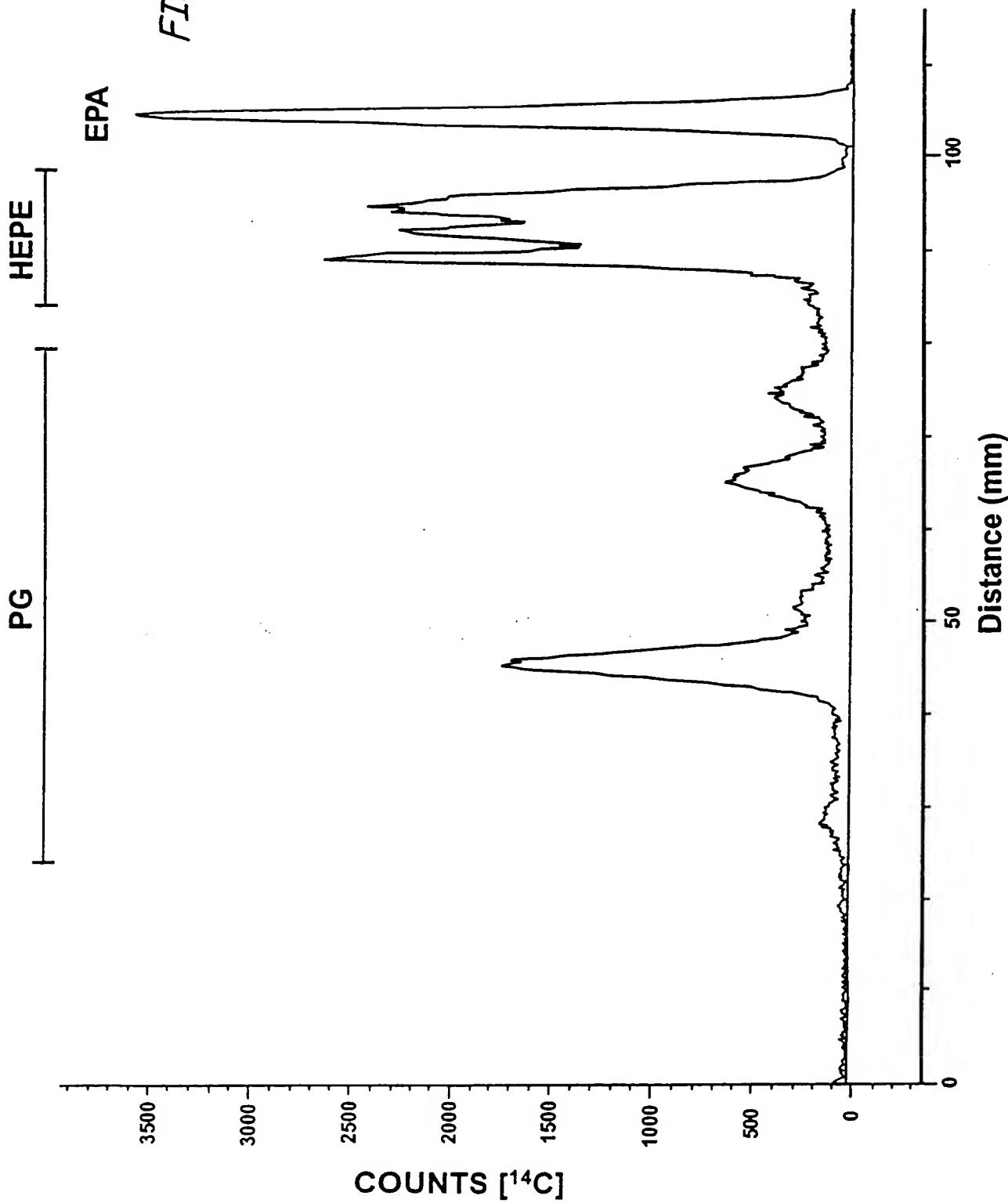


FIG. 2D

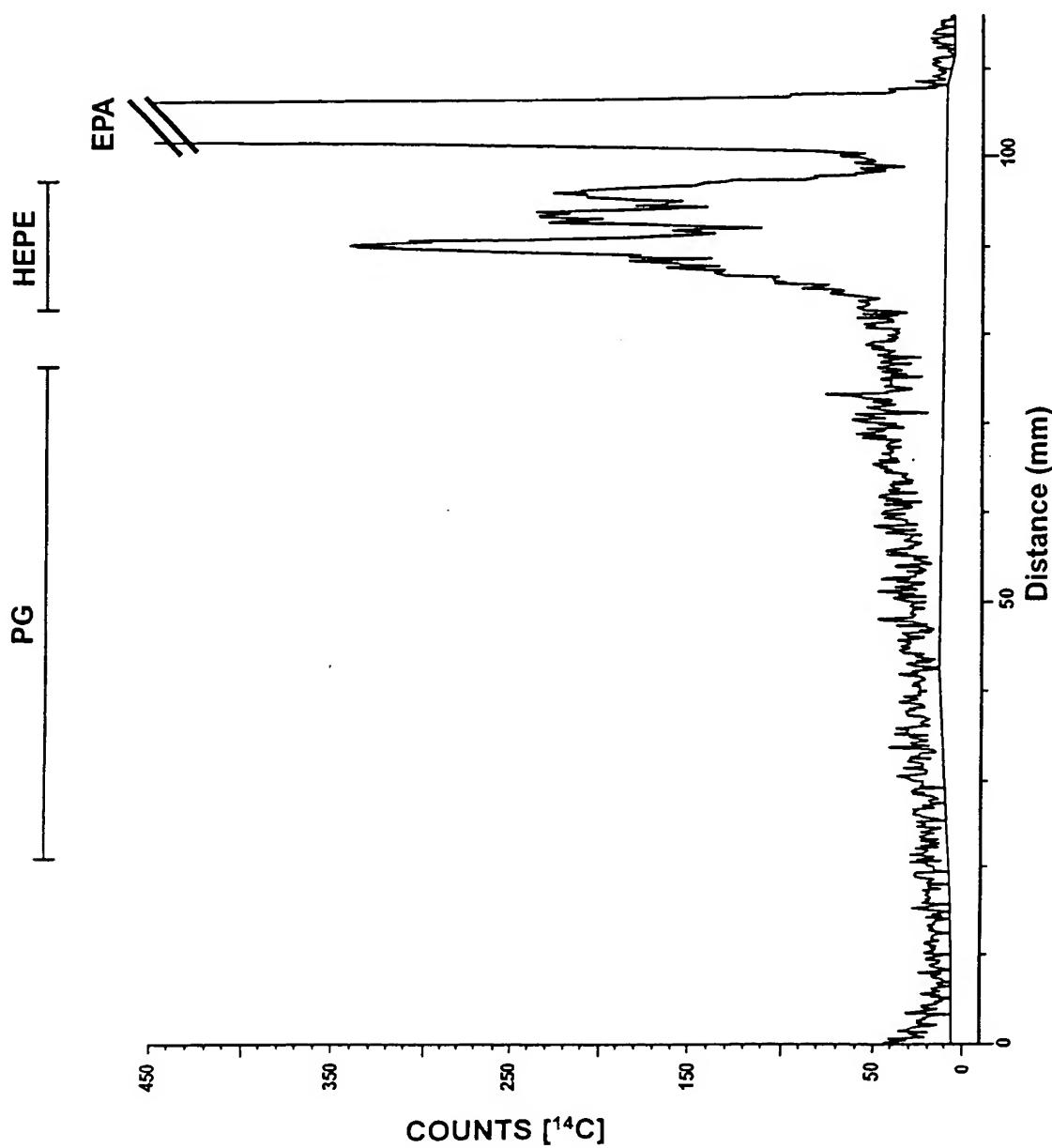


FIG. 3A

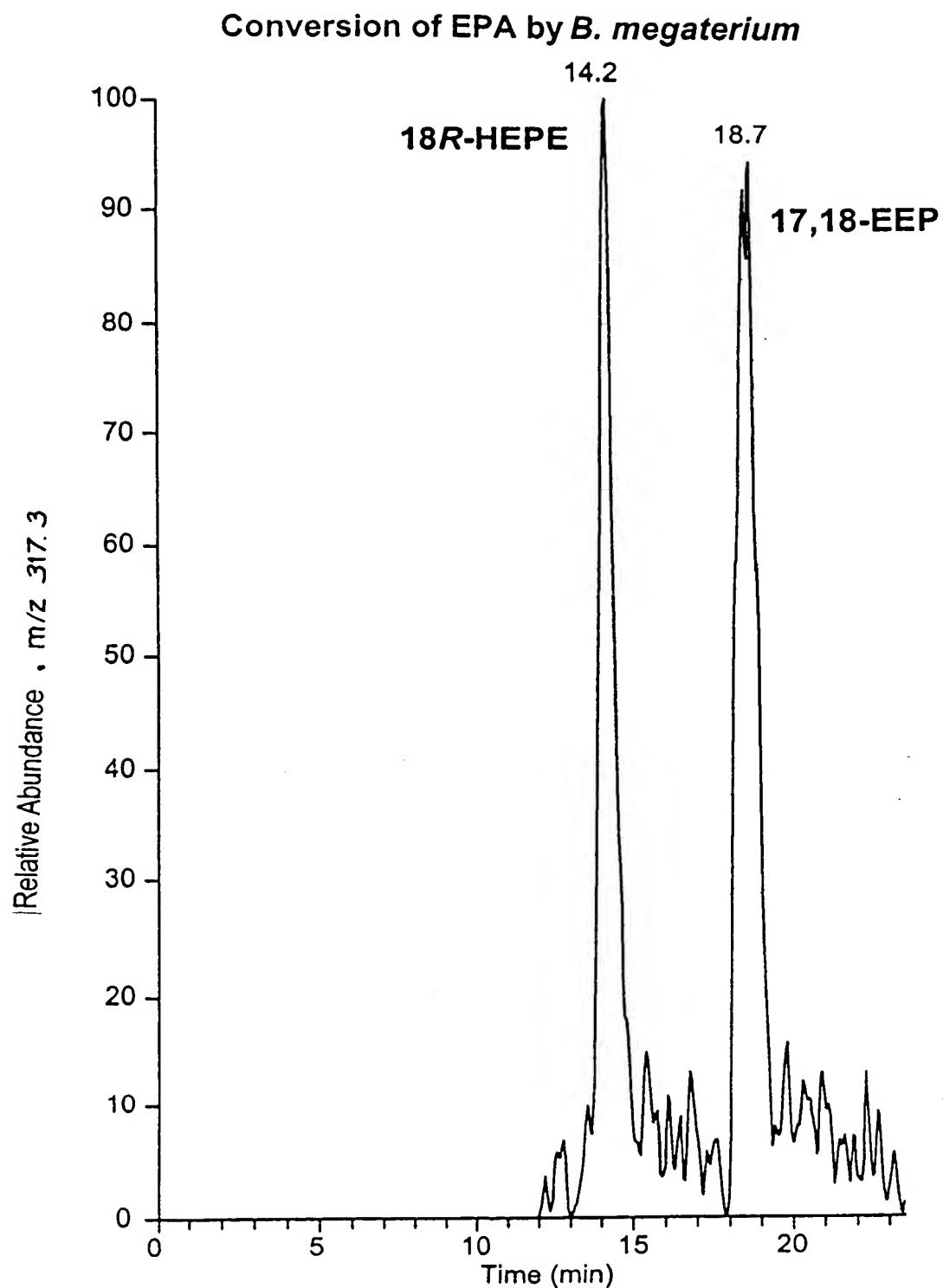


FIG. 3B

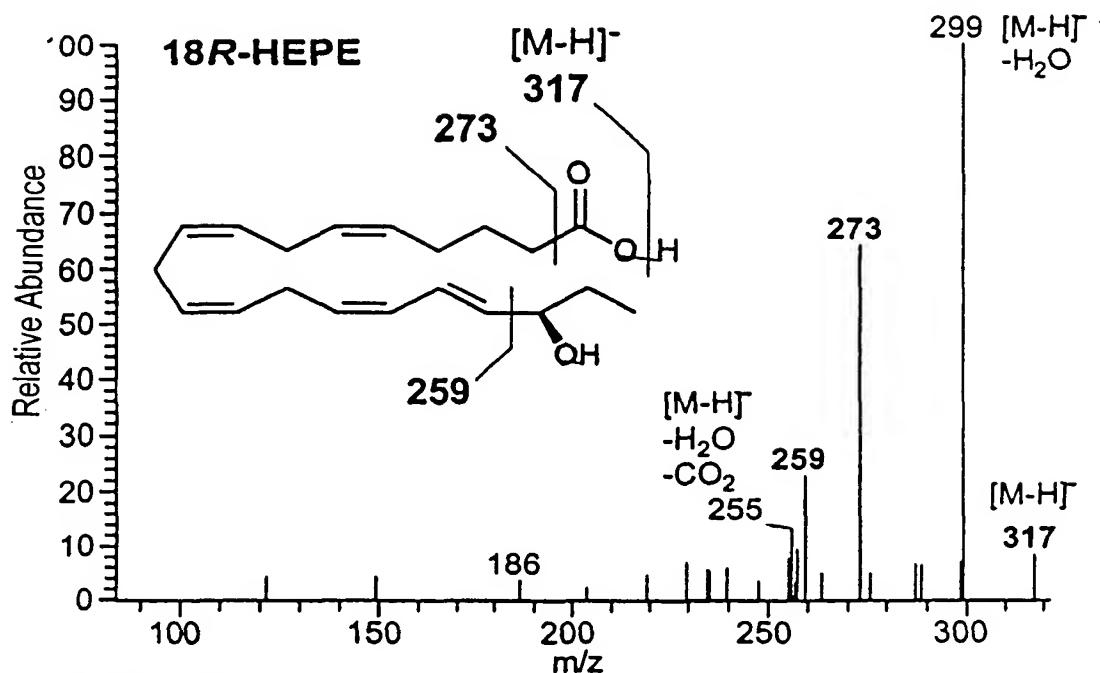
Conversion of EPA by *B. megaterium*

FIG. 3C

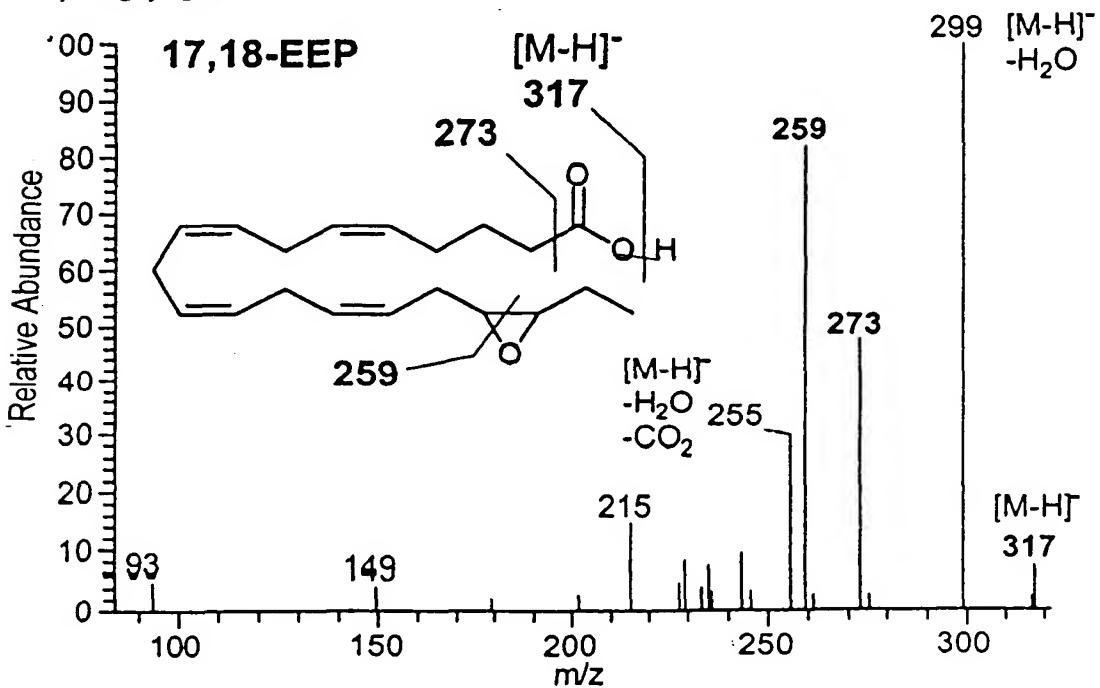


FIG. 4A

18R-HEPE

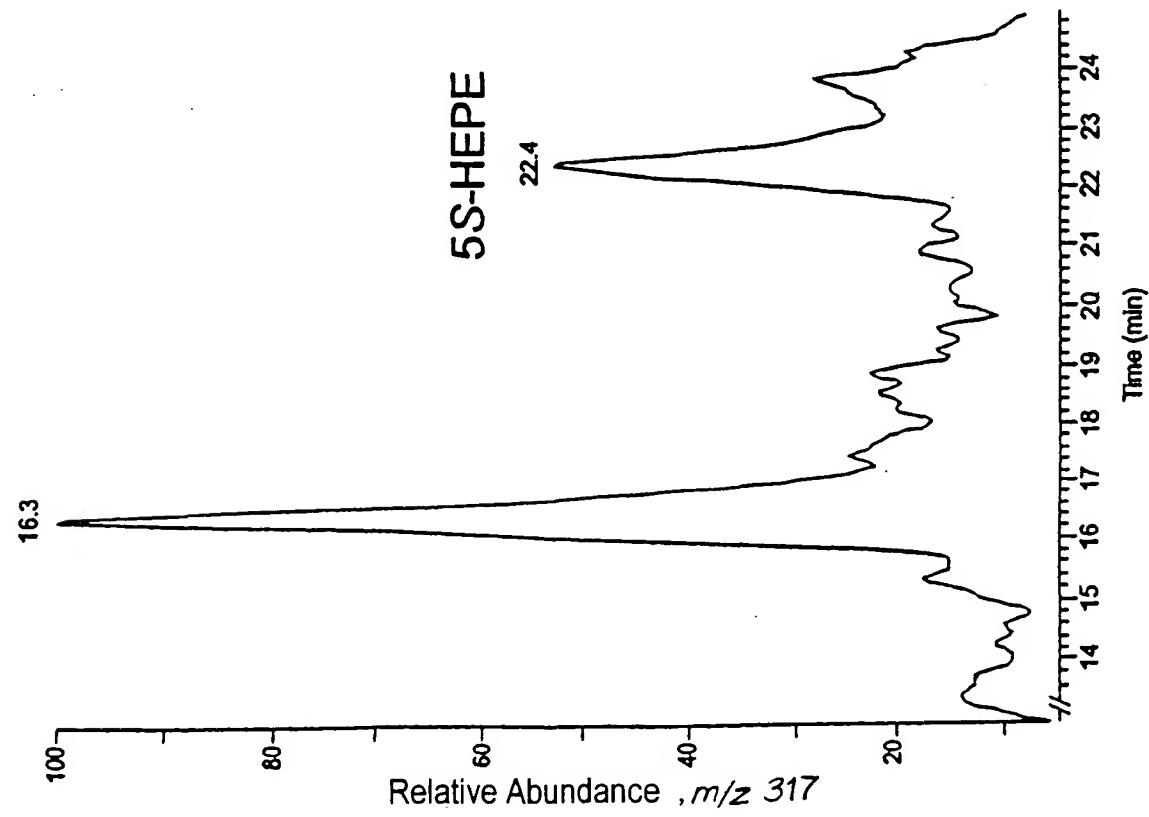
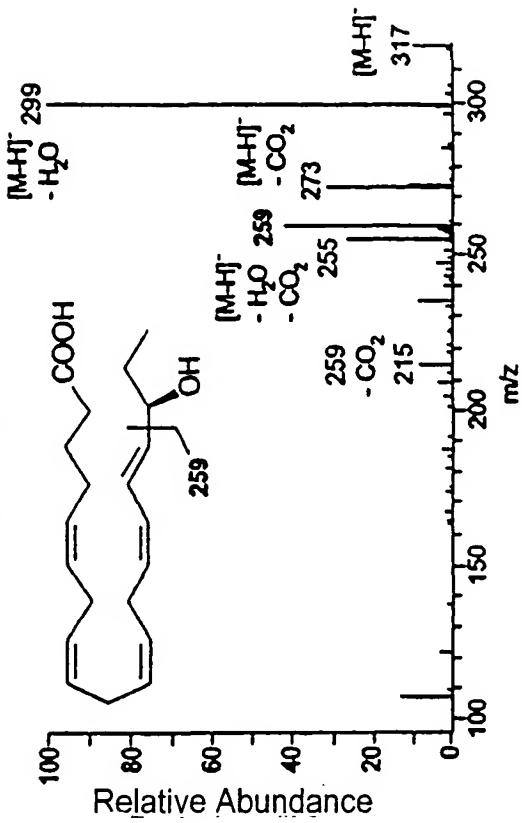


FIG. 4B

MS/MS 18R-HEPE



8/51

FIG. 4C

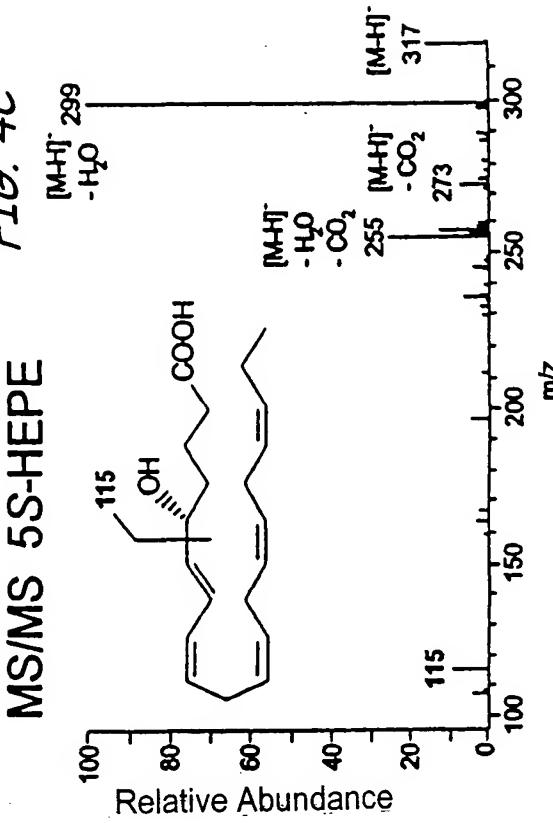
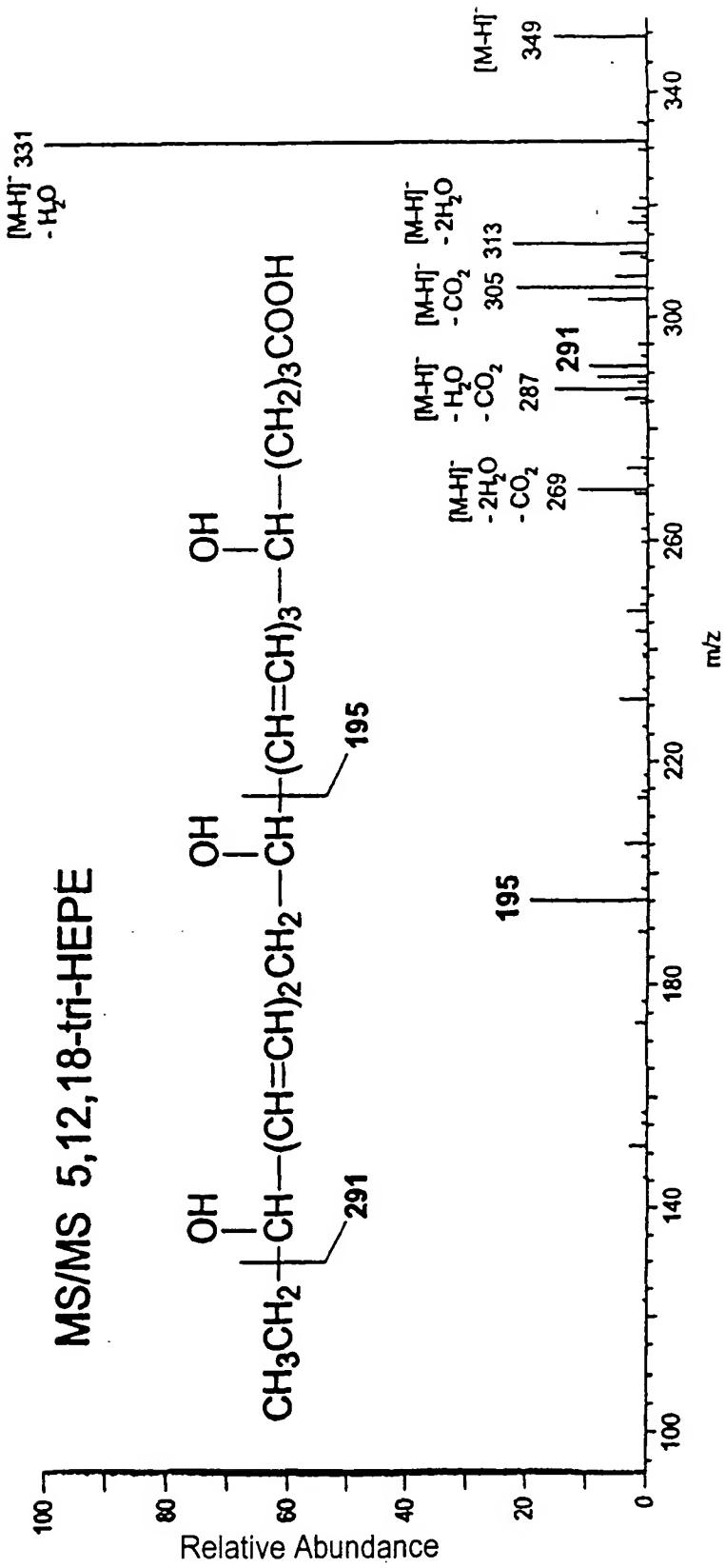
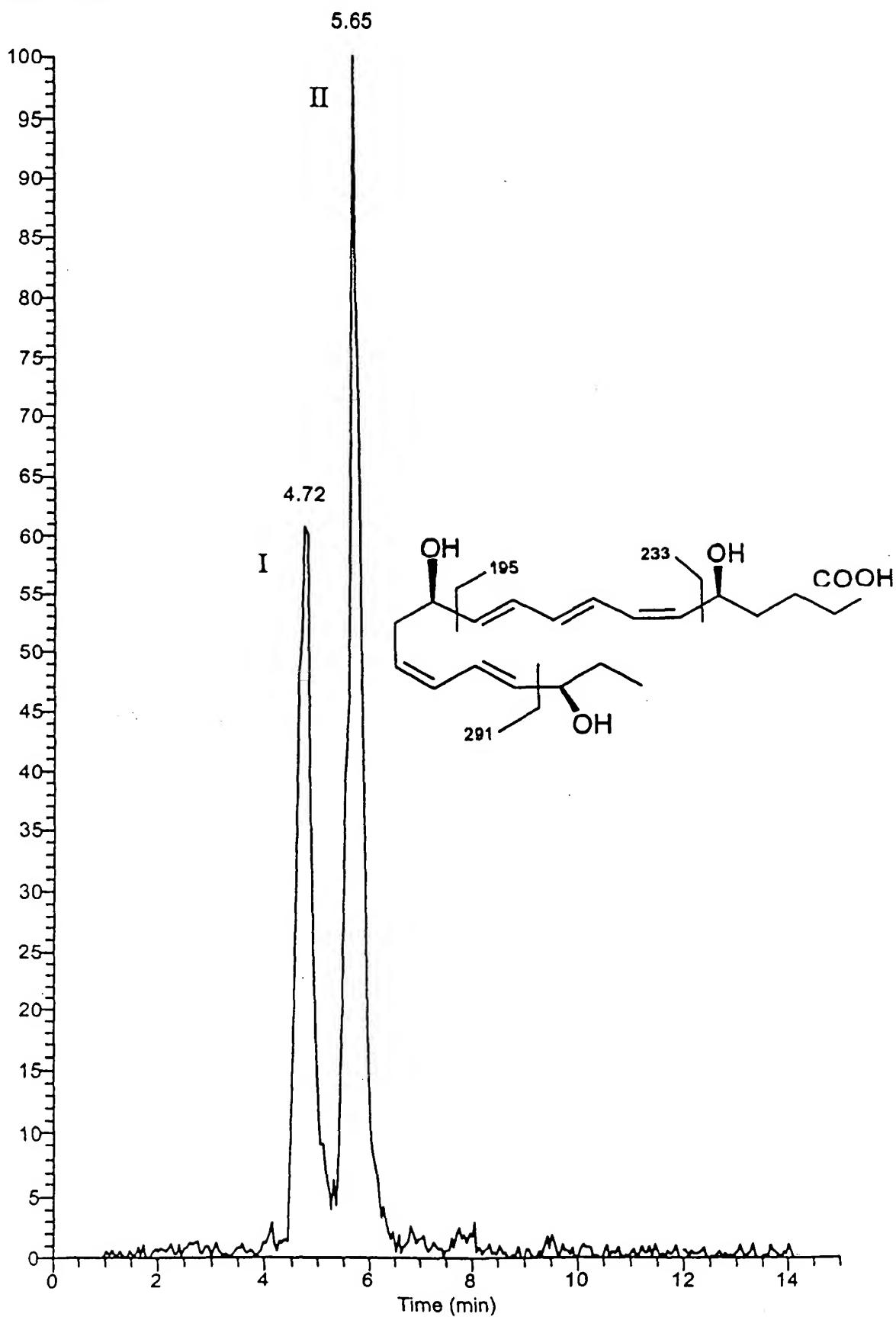


FIG. 4D

MS/MS 5,12,18-tri-HEPE



10/51  
FIG. 5A MS 5,12,18-tri-HEPE from *B. megaterium*



11/51

FIG. 5B

I MS/MS m/z 349.4

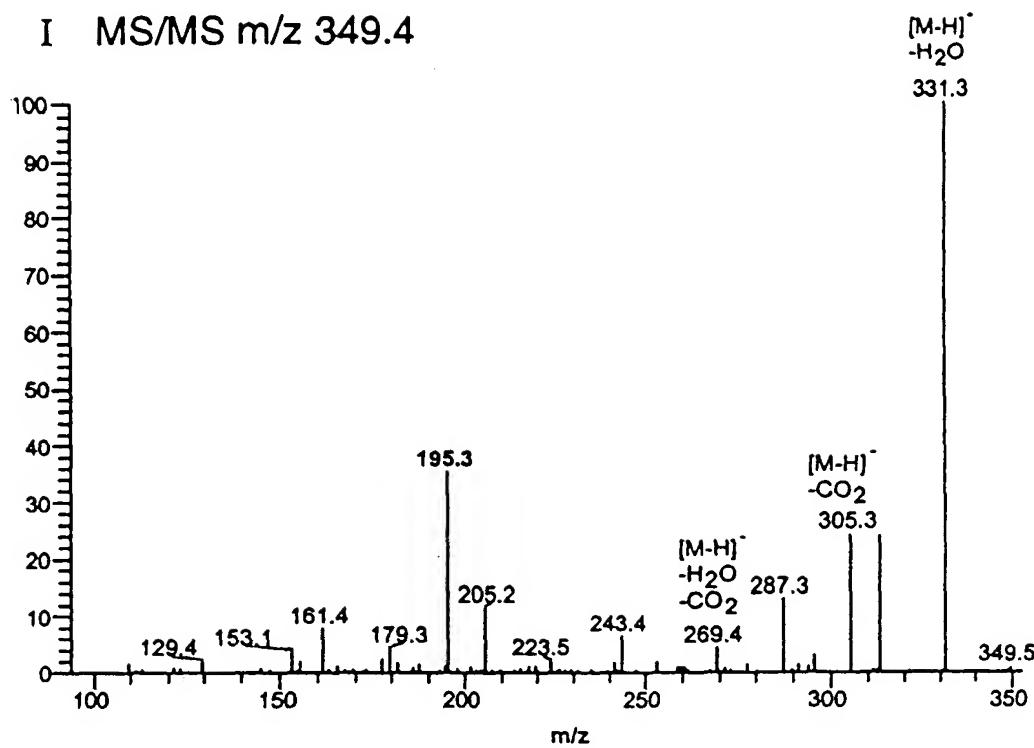


FIG. 5C

II MS/MS m/z 349.4

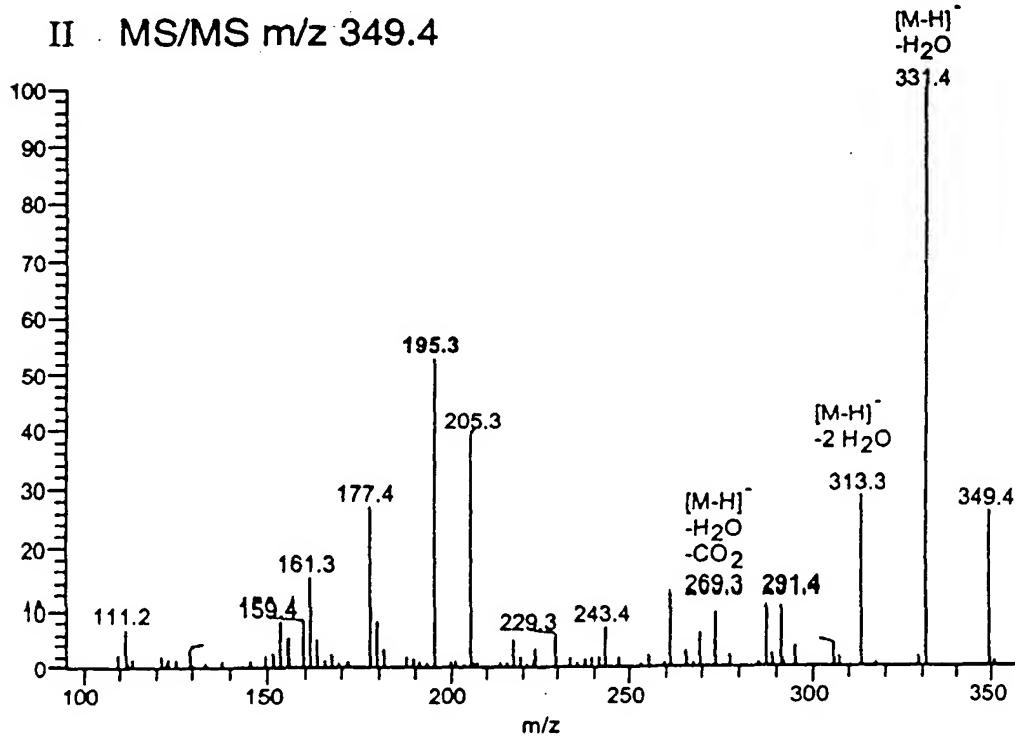


FIG. 6

## Murine Dorsal Air Pouch

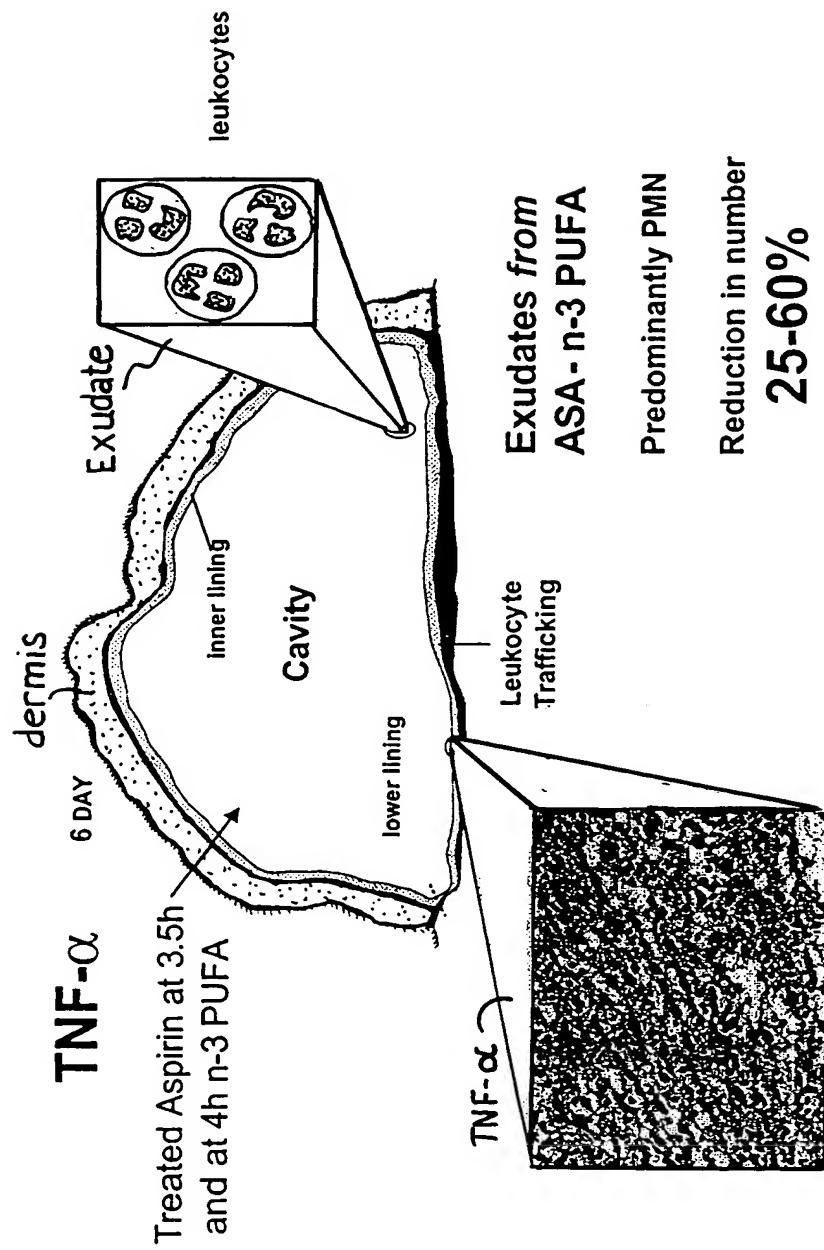


FIG. 7A

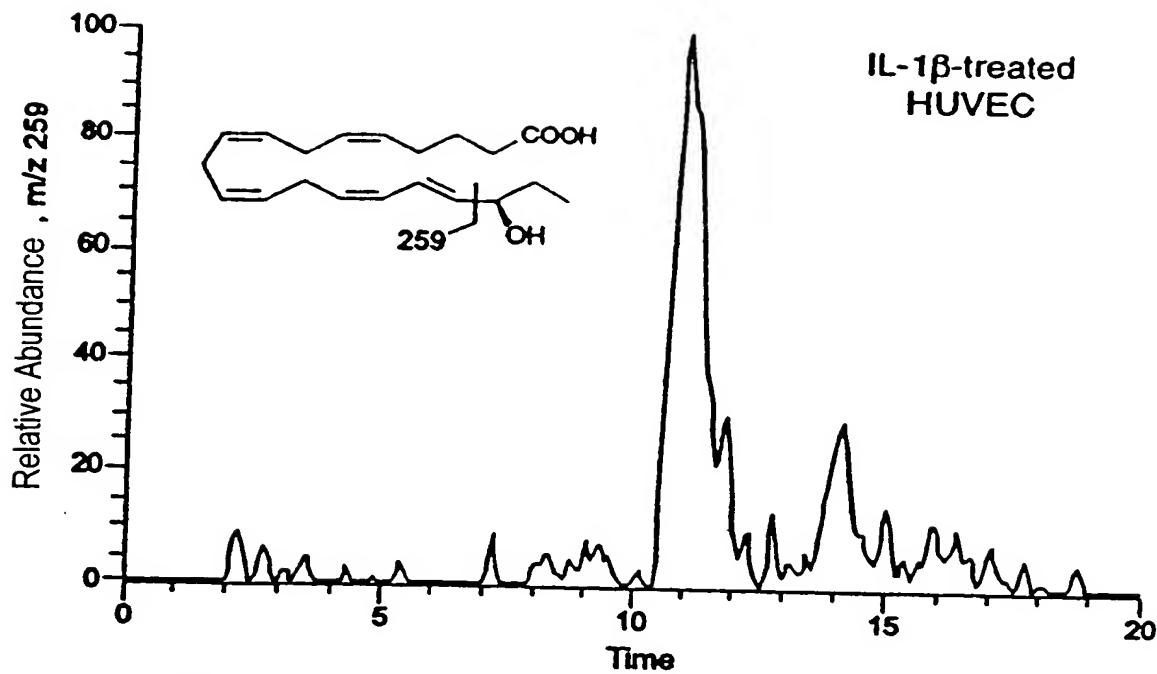
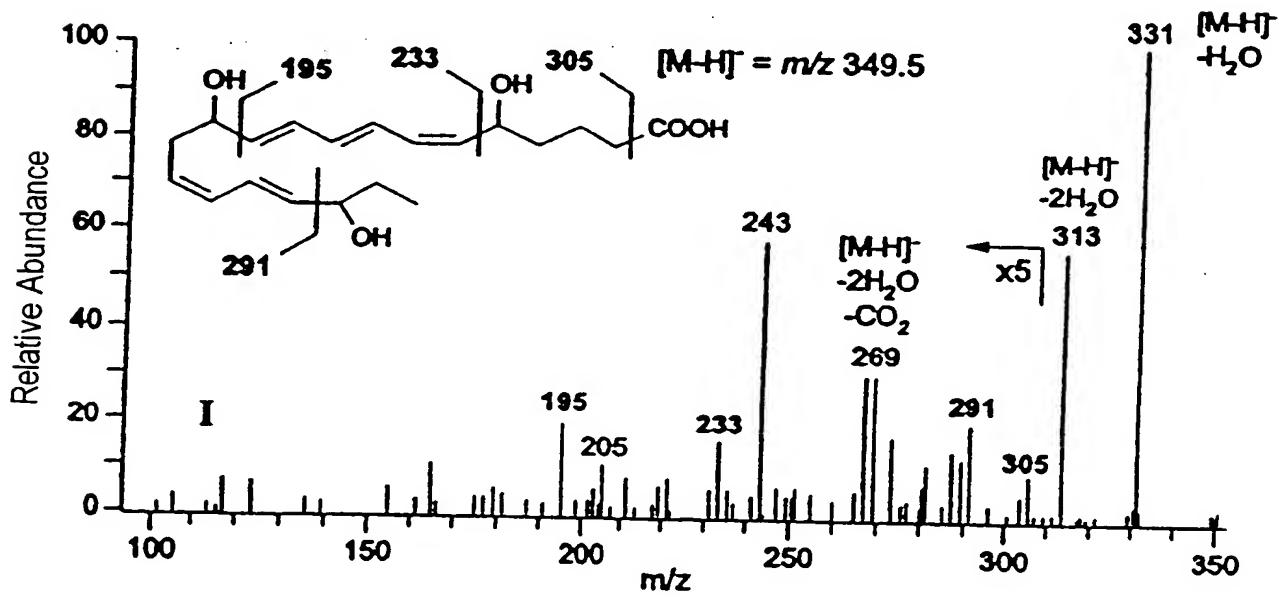


FIG. 7C



14/51

FIG. 7B

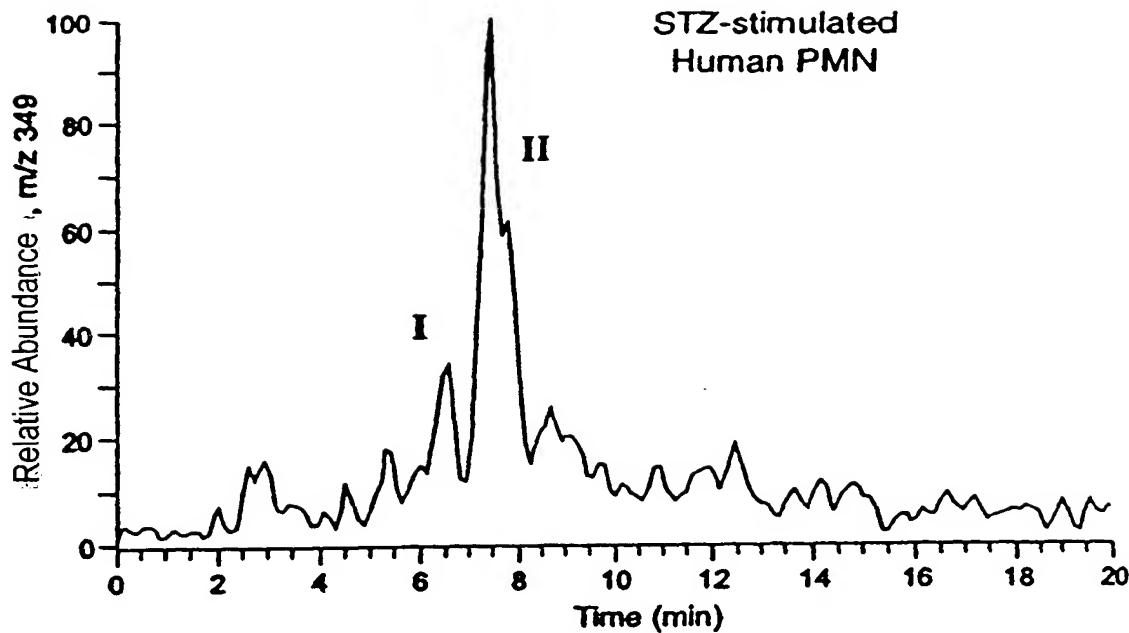


FIG. 7D

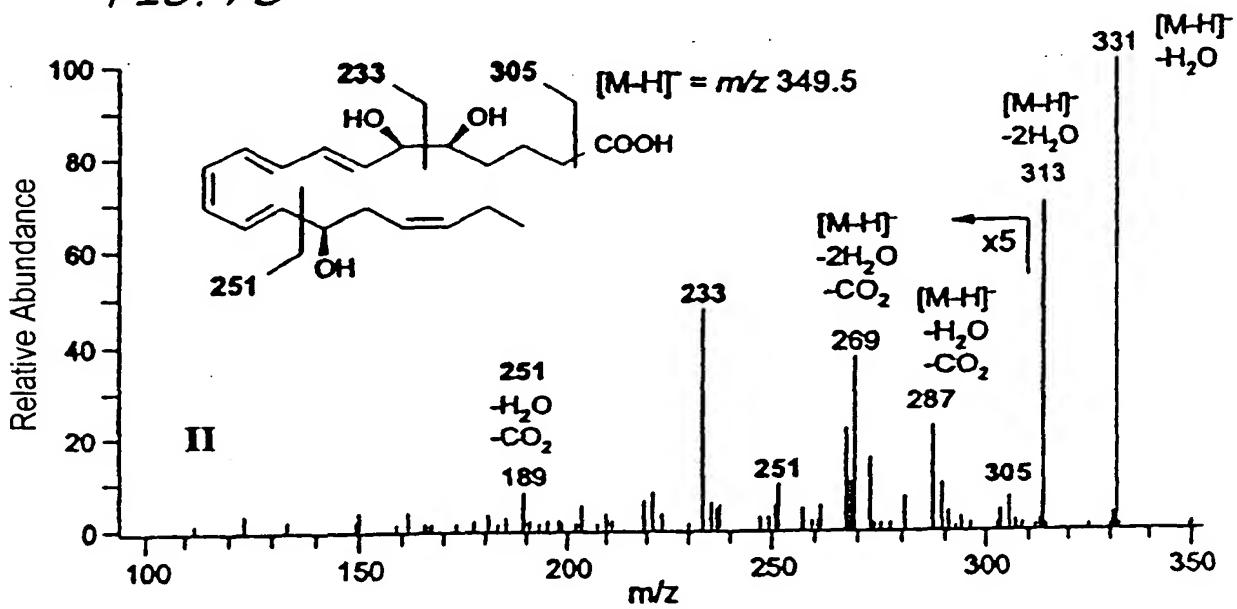


FIG. 8A

## Mono-HEPES: Enzymatic Products from Acetylated COX 2 and EPA

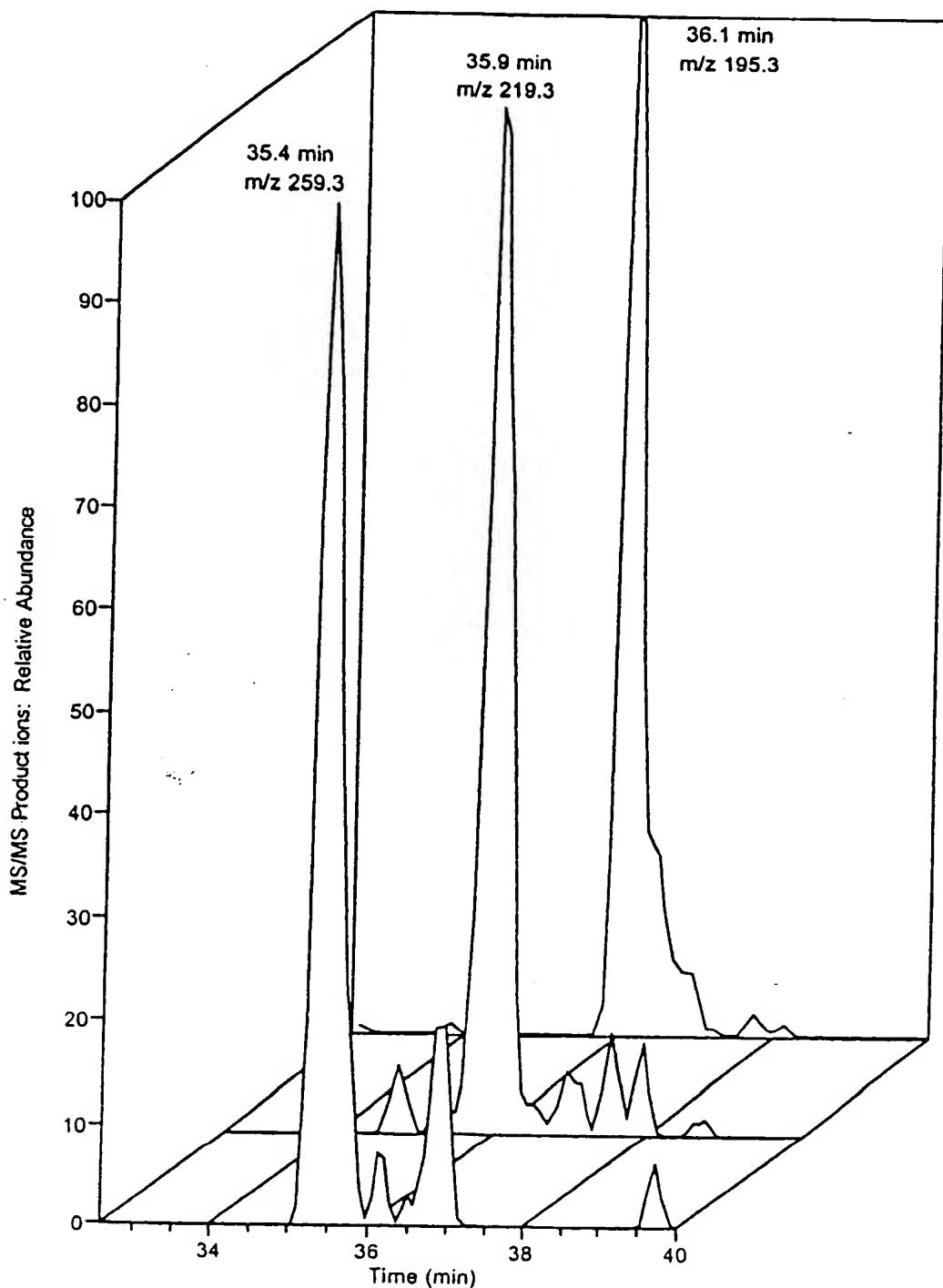


FIG. 8B

## Mono-HEPES: Enzymatic Products from Acetylated COX 2 and EPA

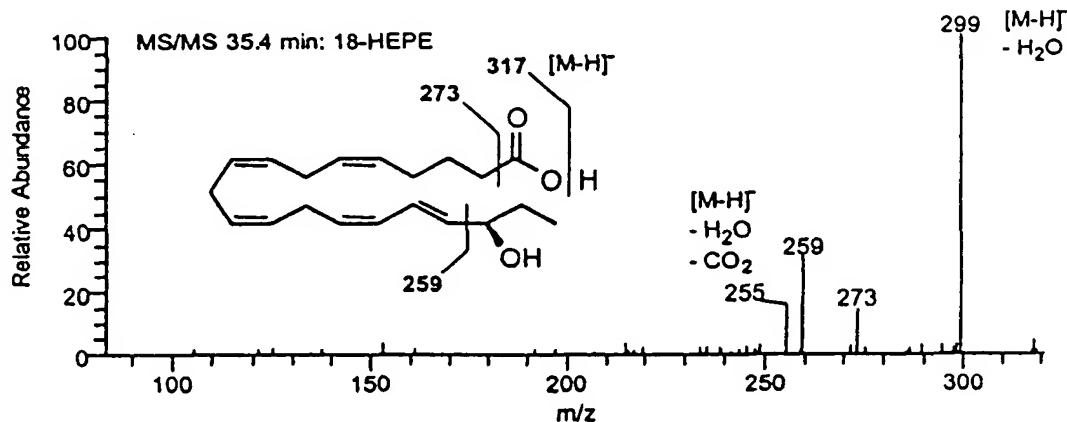


FIG. 8C

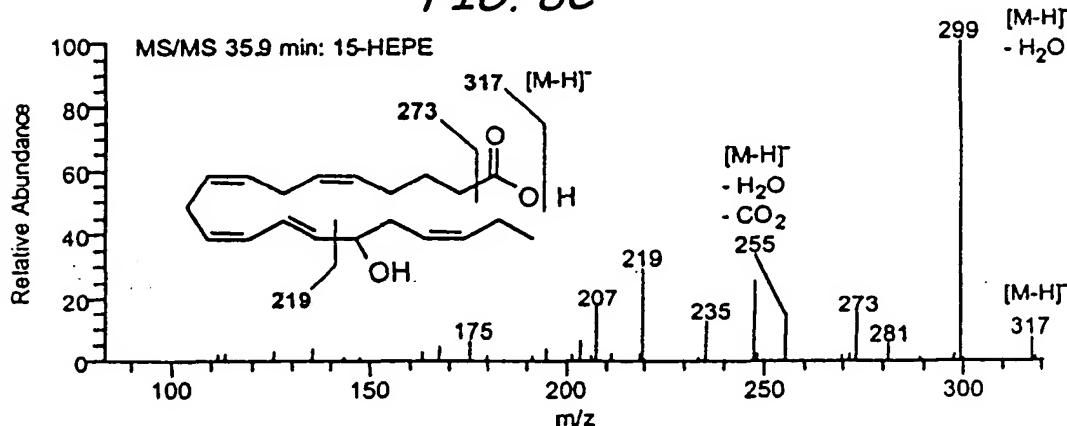
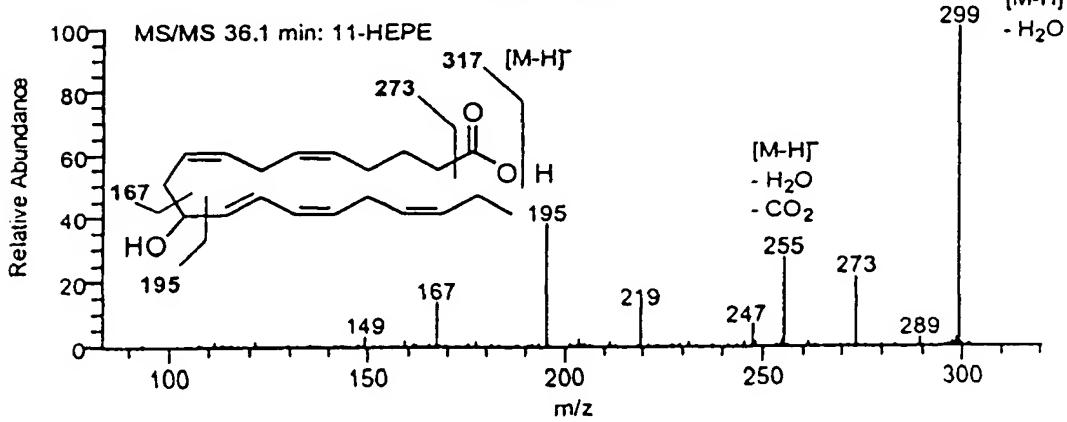


FIG. 8D



17/51

FIG. 9A

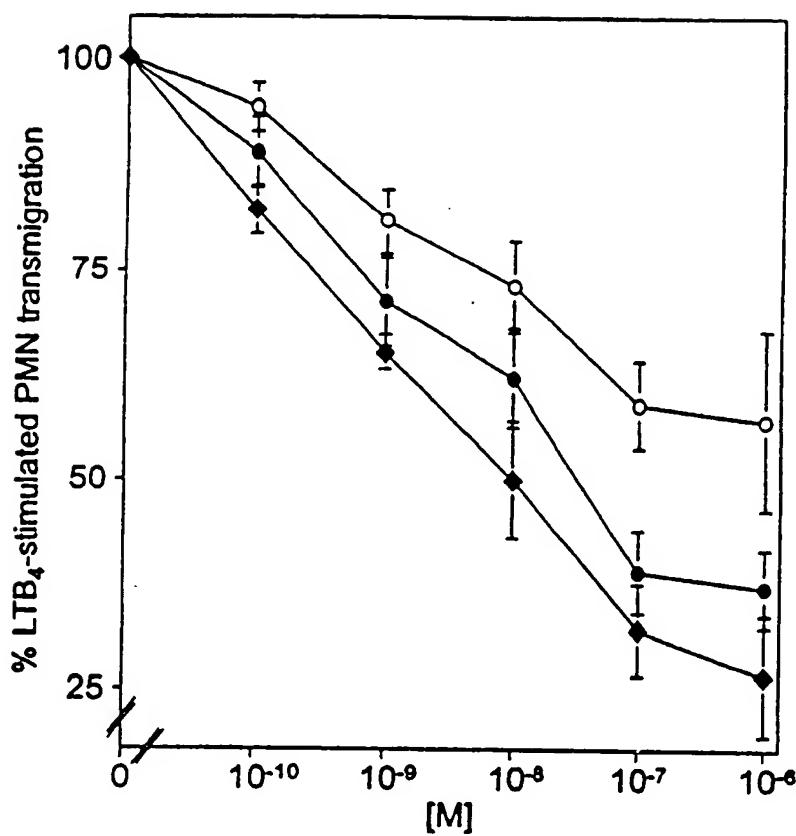


FIG. 9B

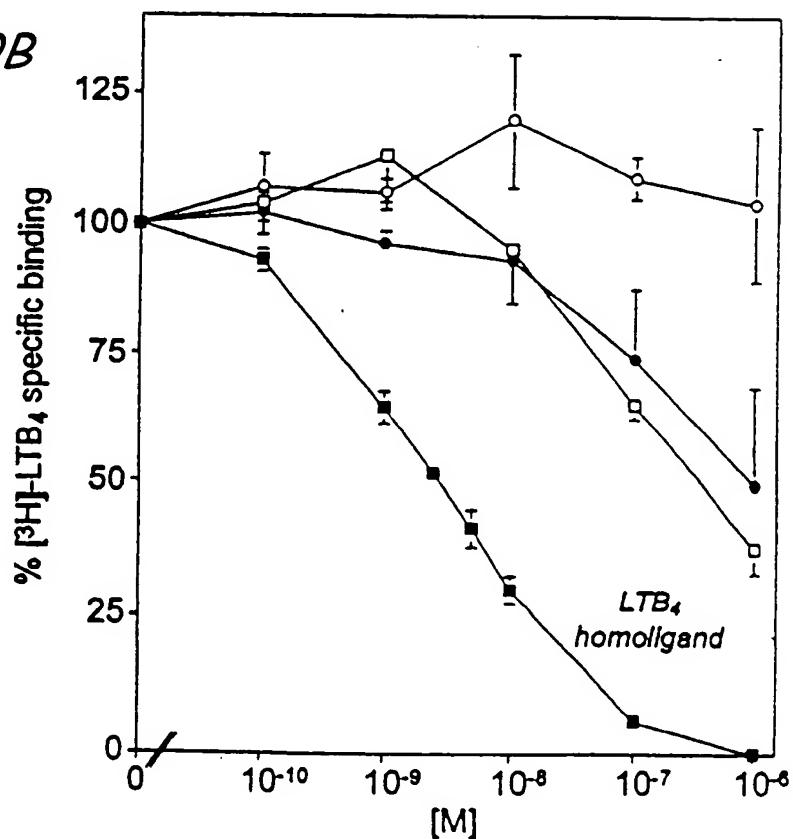


FIG. 9C

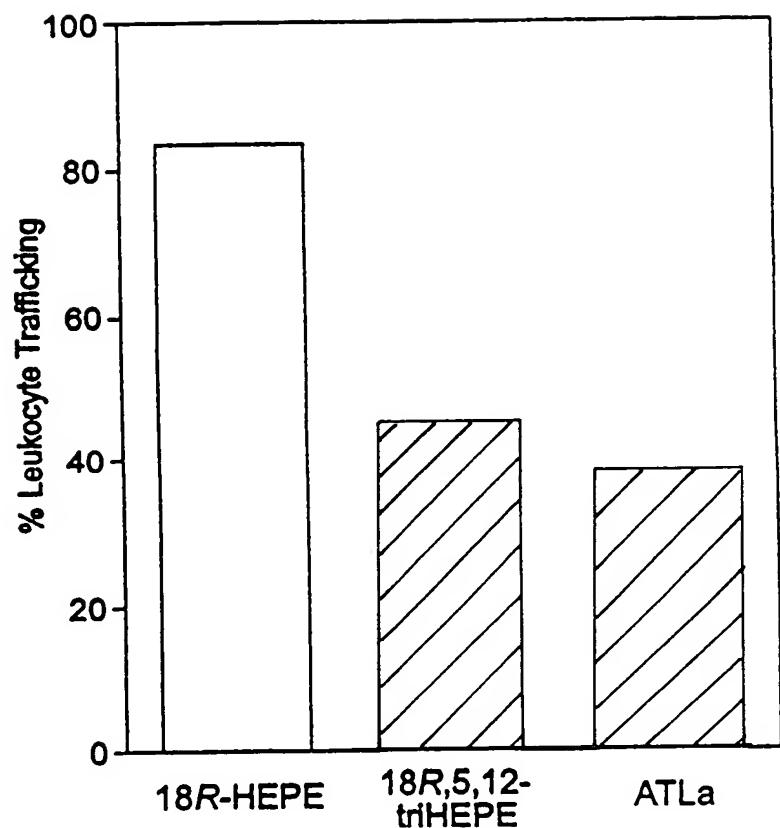
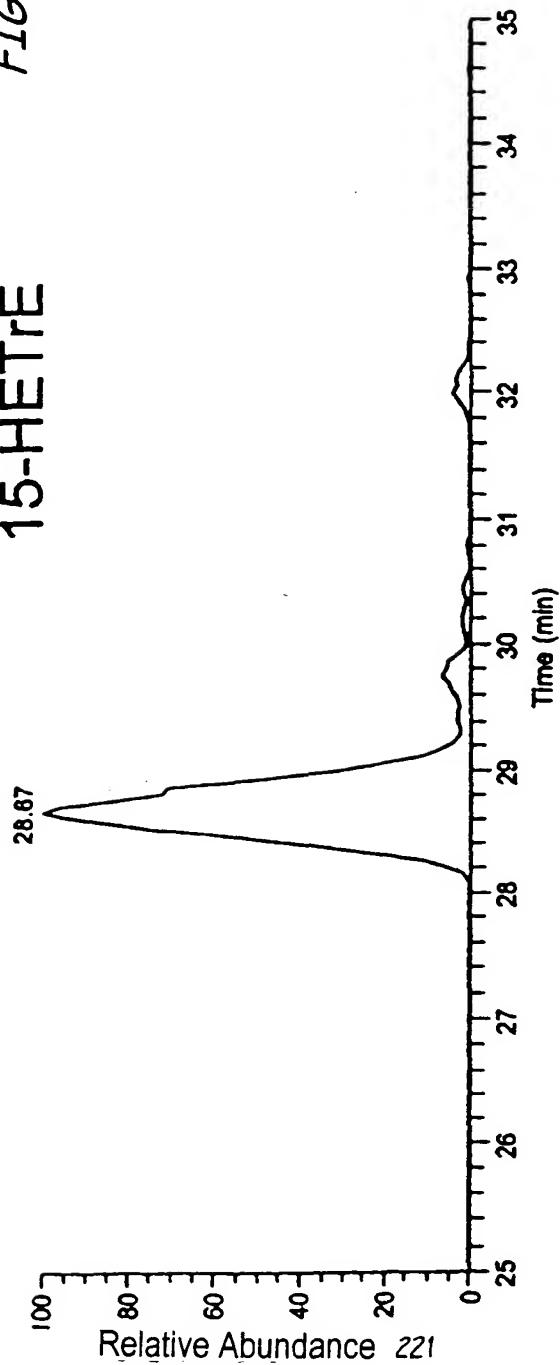
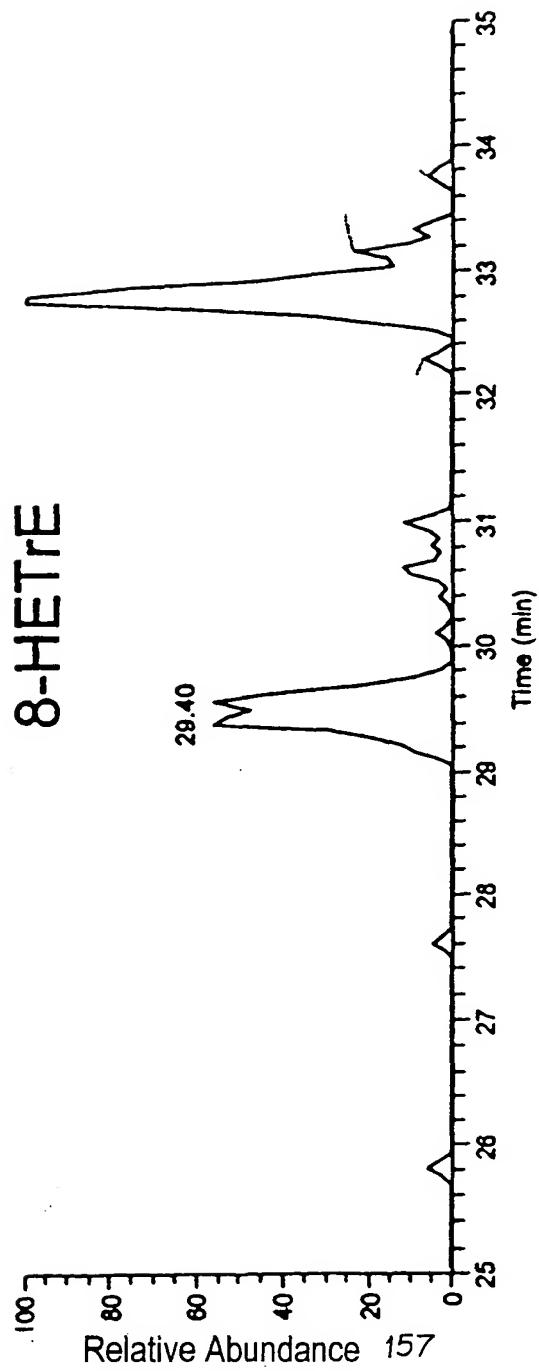


FIG. 10A

15-HETrE



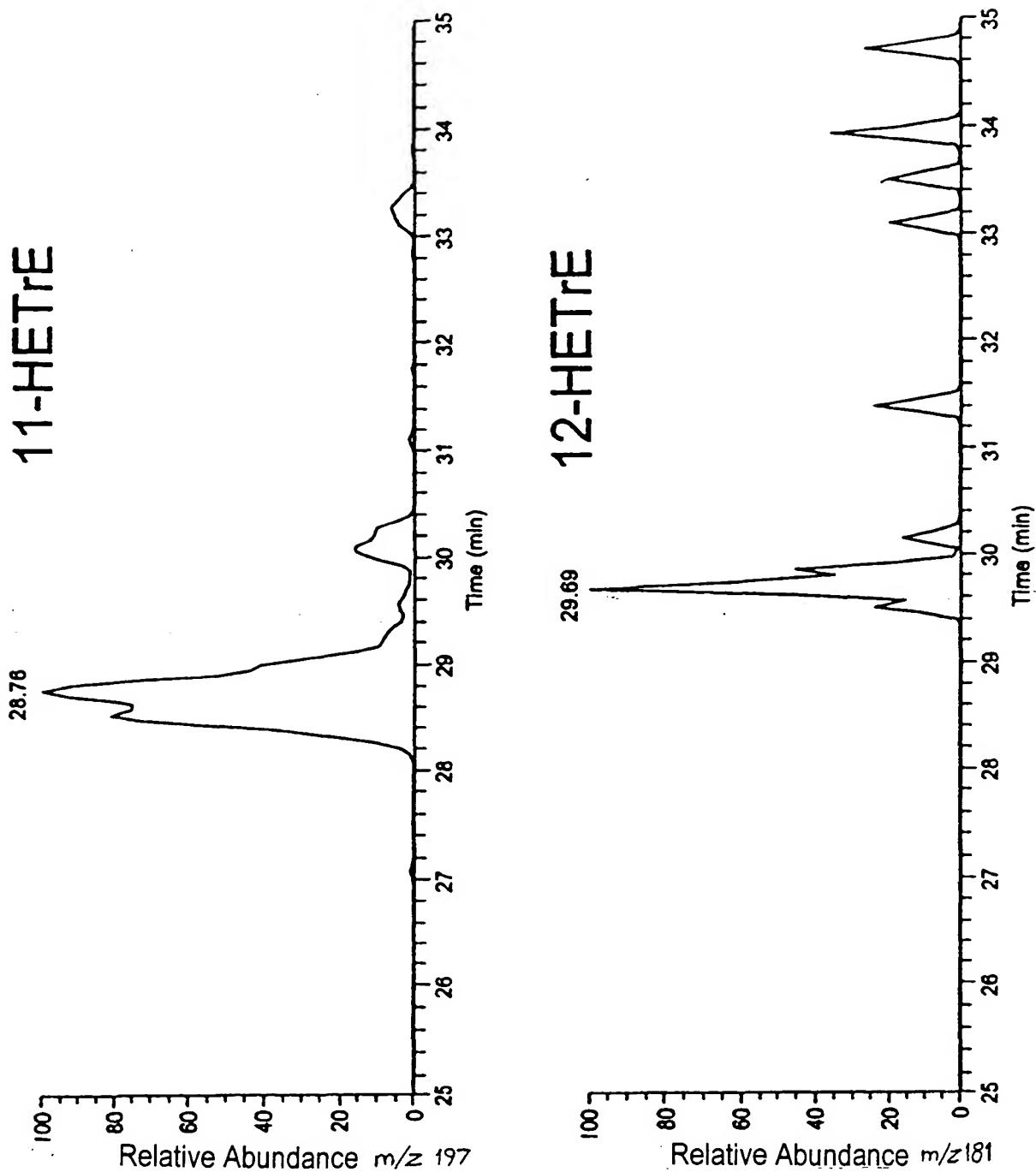
8-HETrE



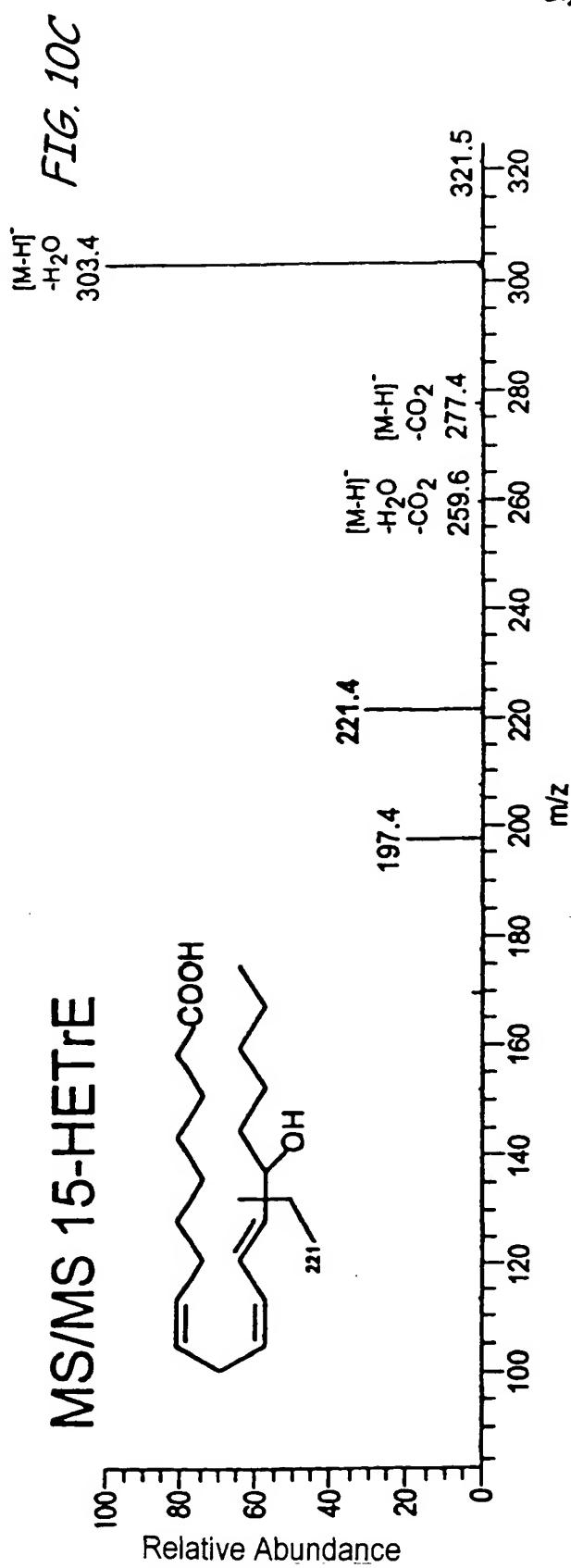
19/51

20/51

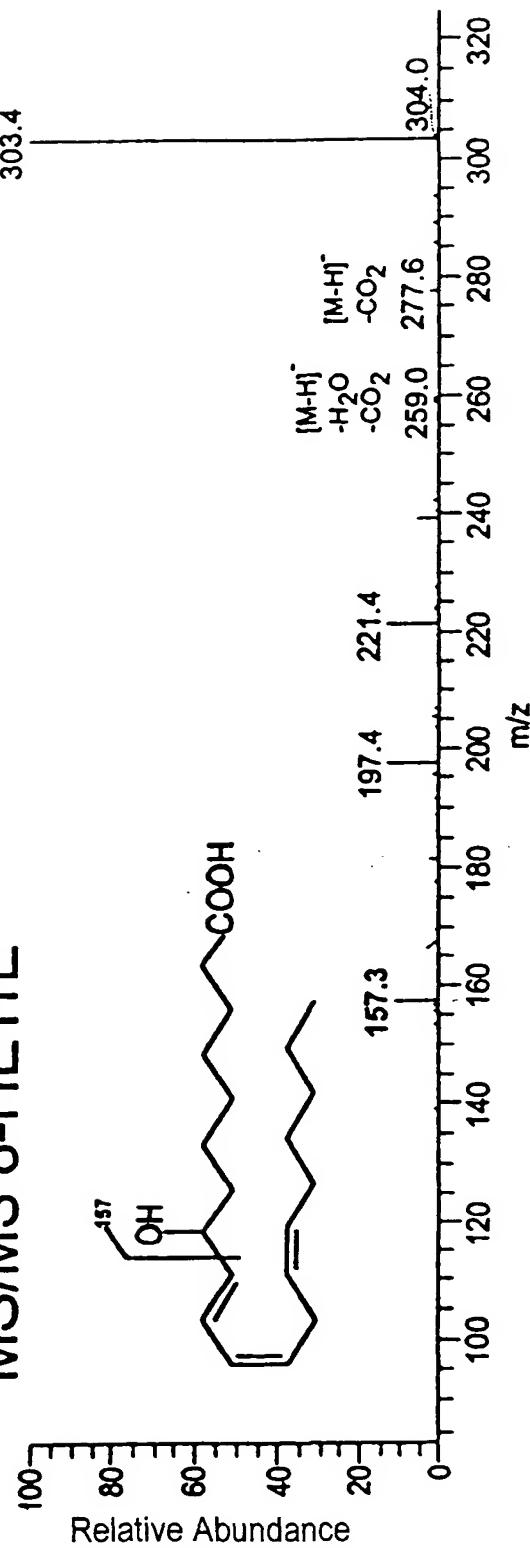
FIG. 10B



### MS/MS 15-HETrE



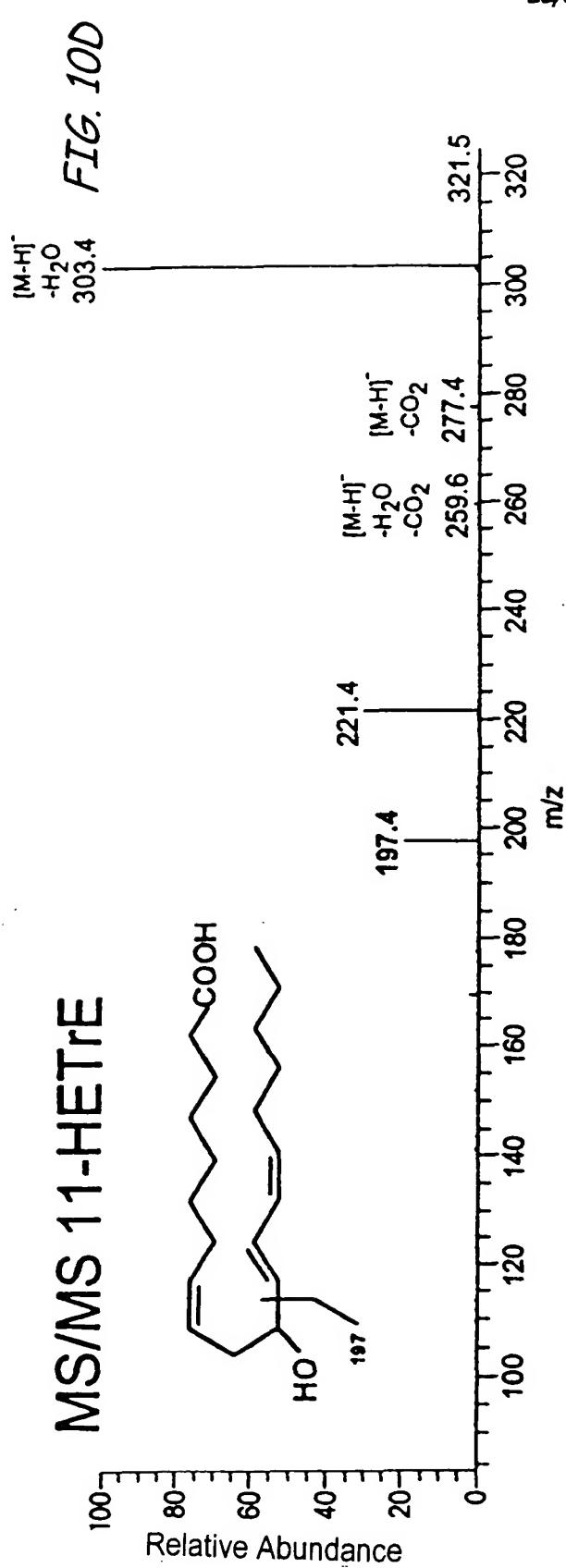
### MS/MS 8-HETrE



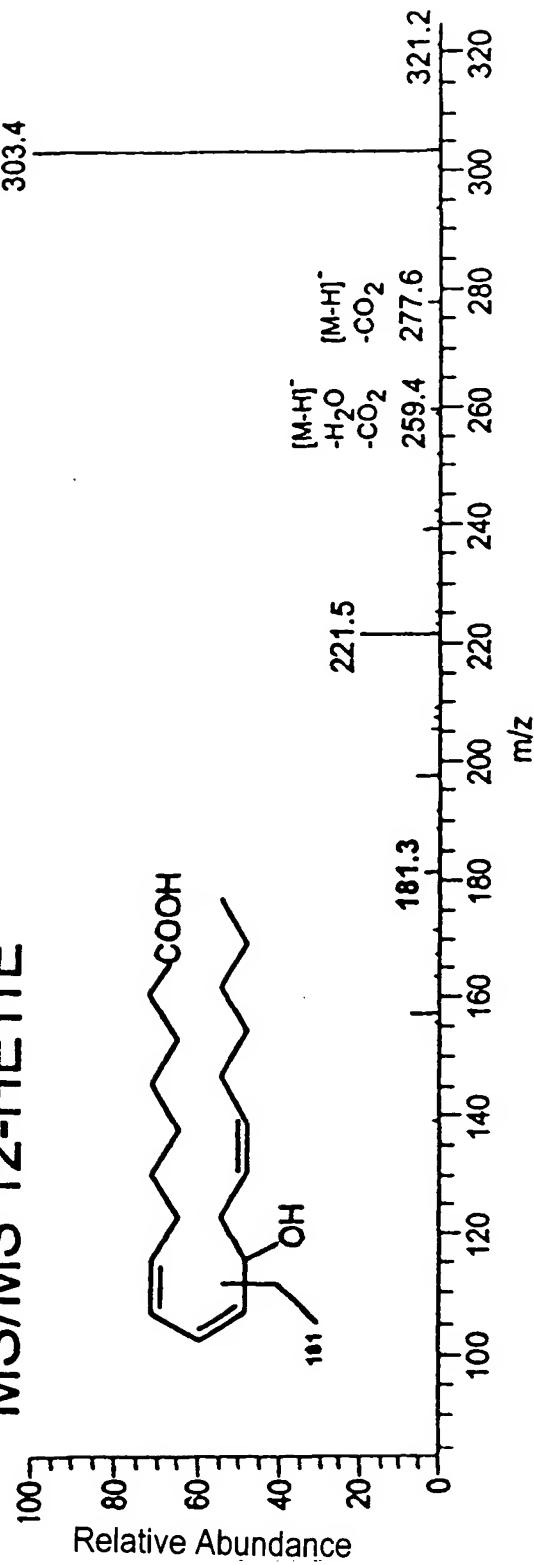
21/51

FIG. 10C

### MS/MS 11-HETrE



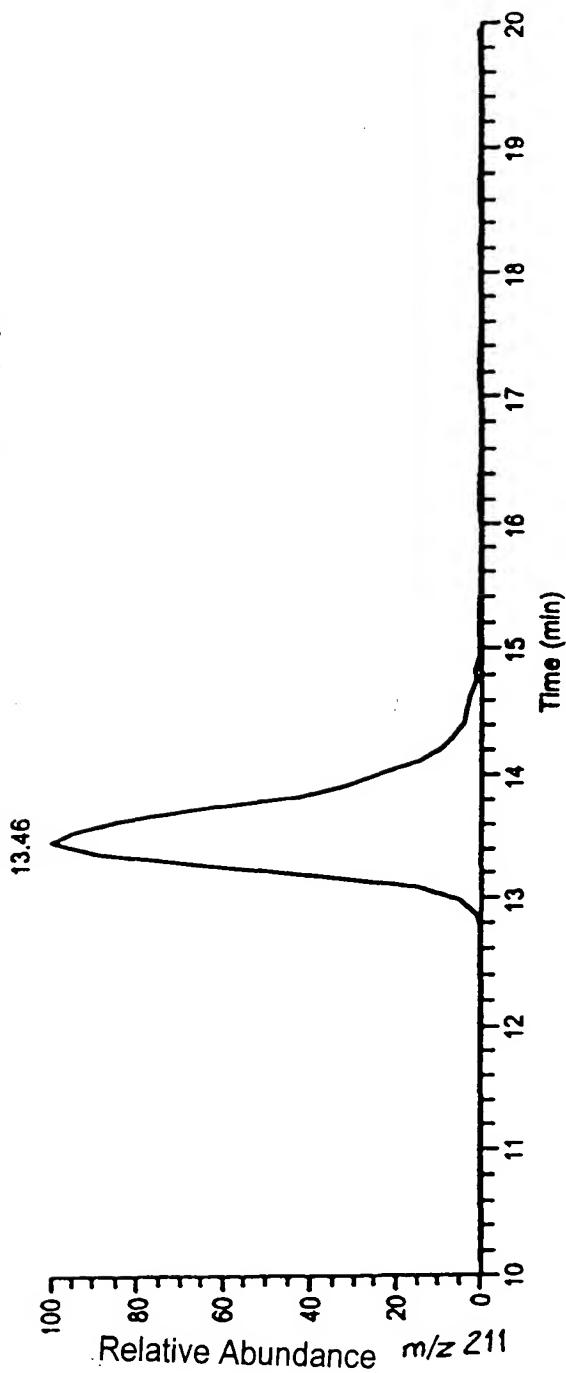
### MS/MS 12-HETrE



22/51

FIG. 10D

## 12-HOTrE



## FIG. 10E

## 16-HOTrE

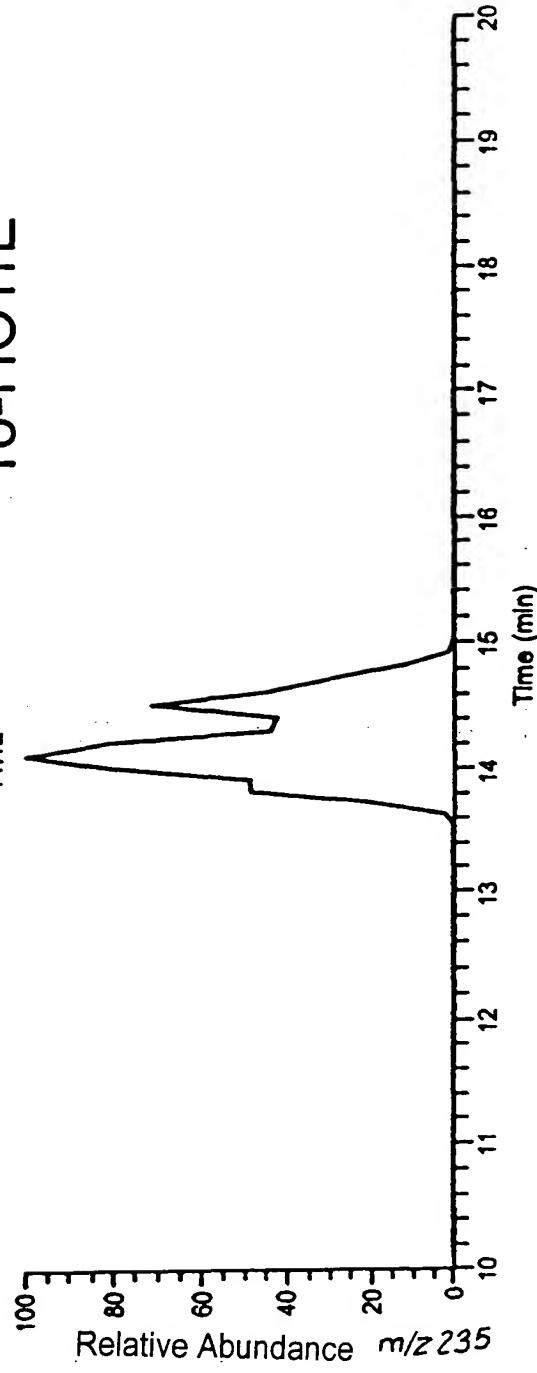
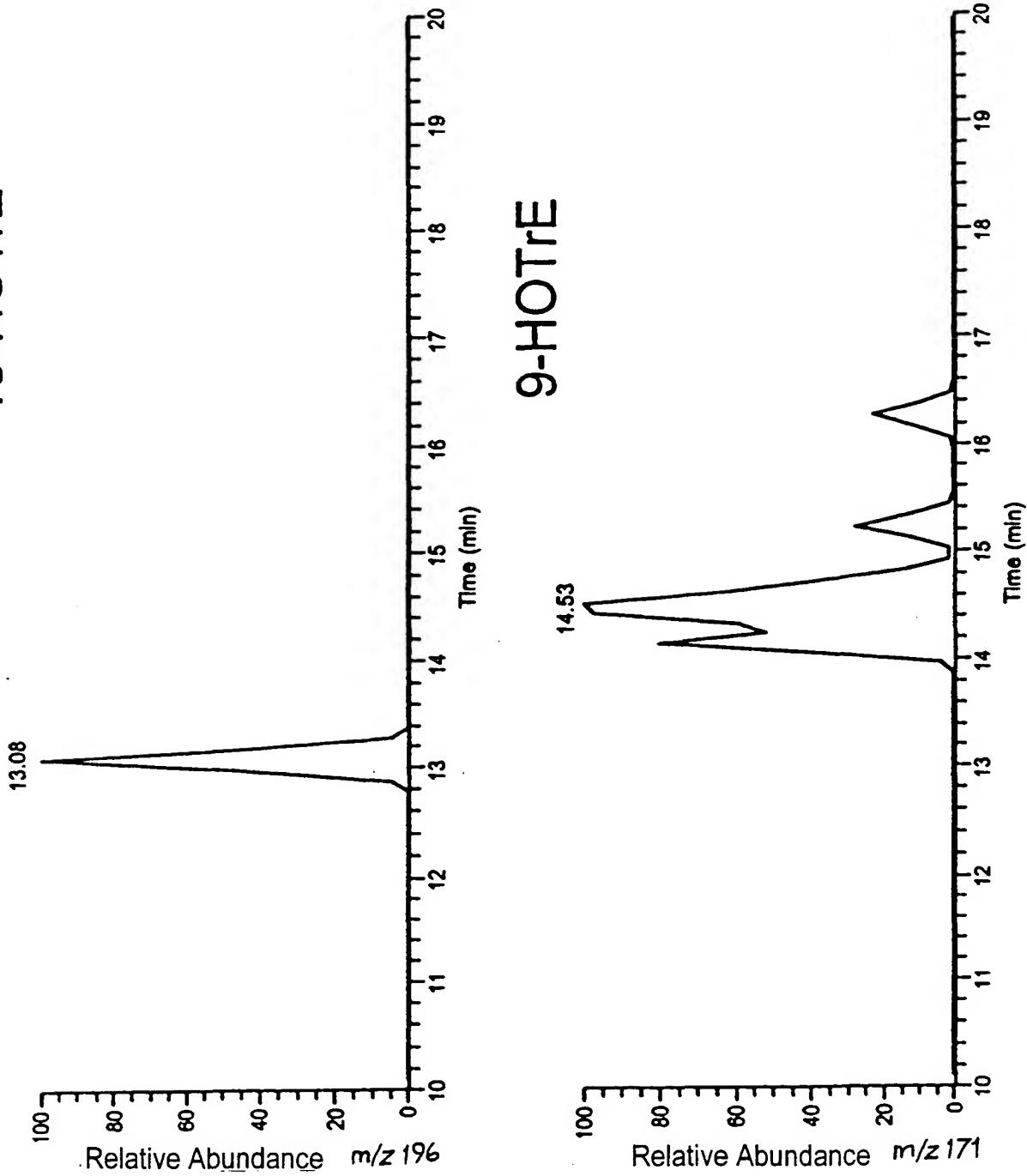
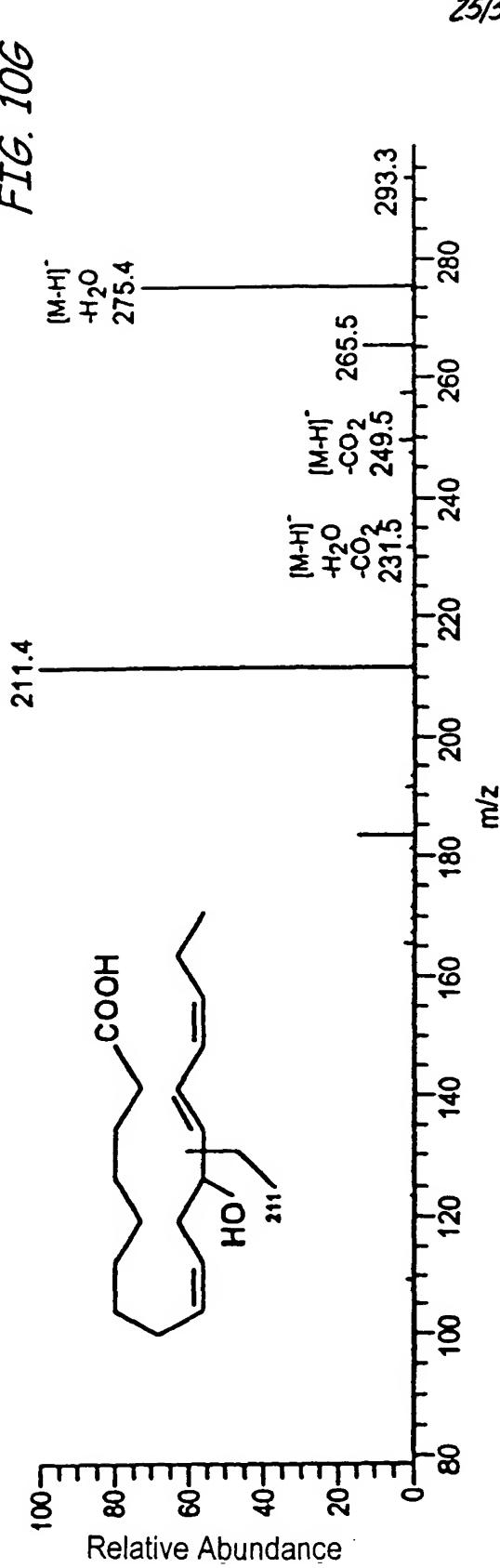


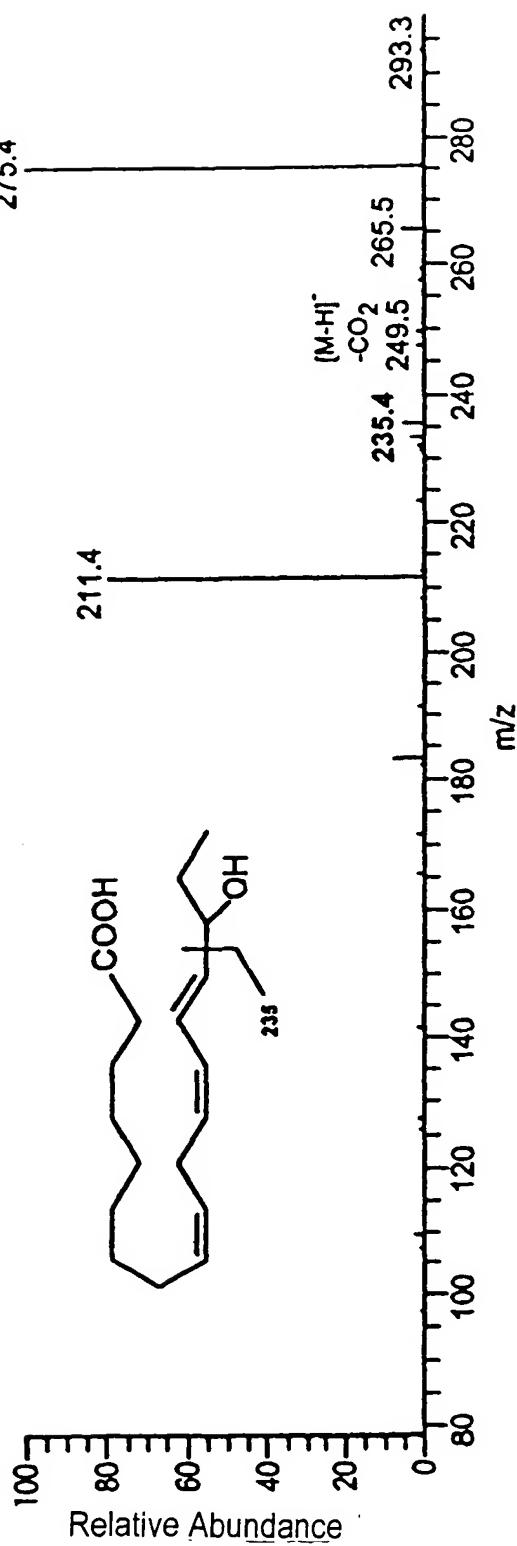
FIG. 10F



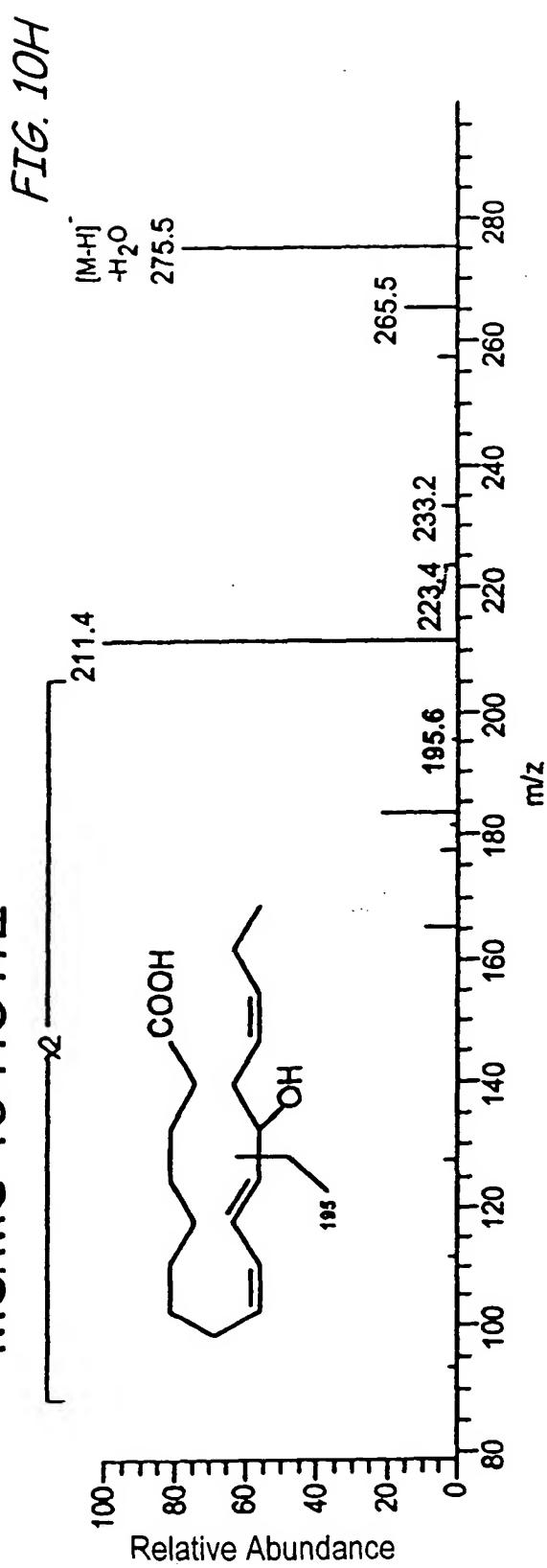
## MS/MS 12-HOTrE



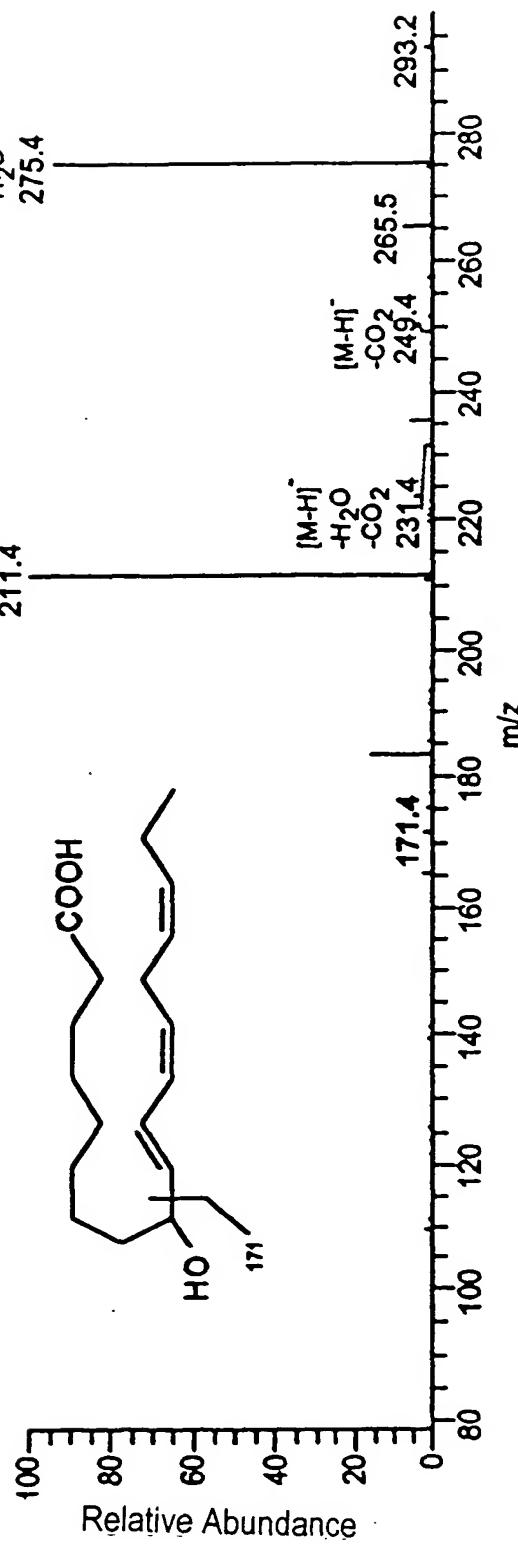
## MS/MS 16-HOTrE



### MS/MS 13-HOTrE



### MS/MS 9-HOTrE



27/51

FIG. 101

9-HODE

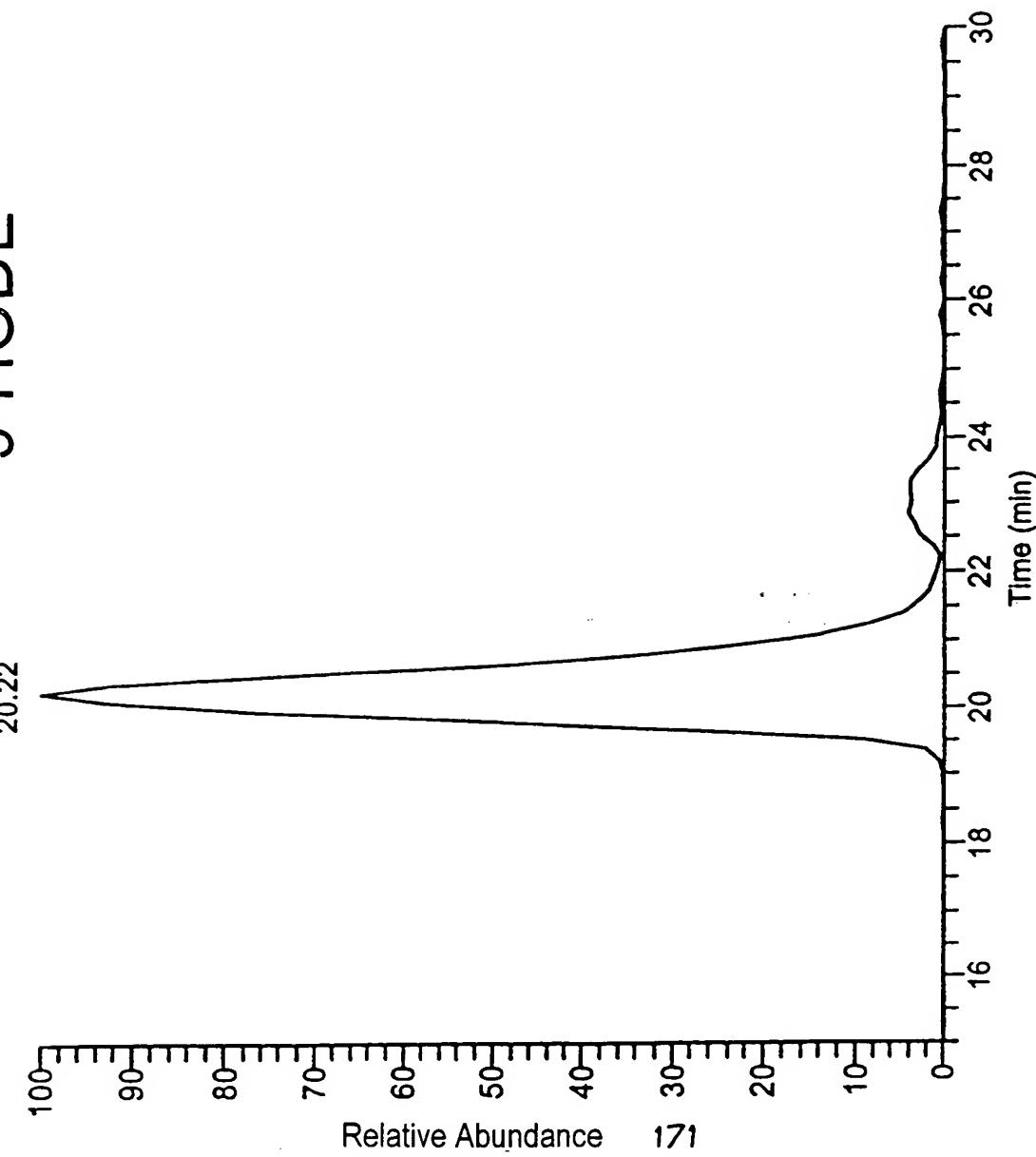
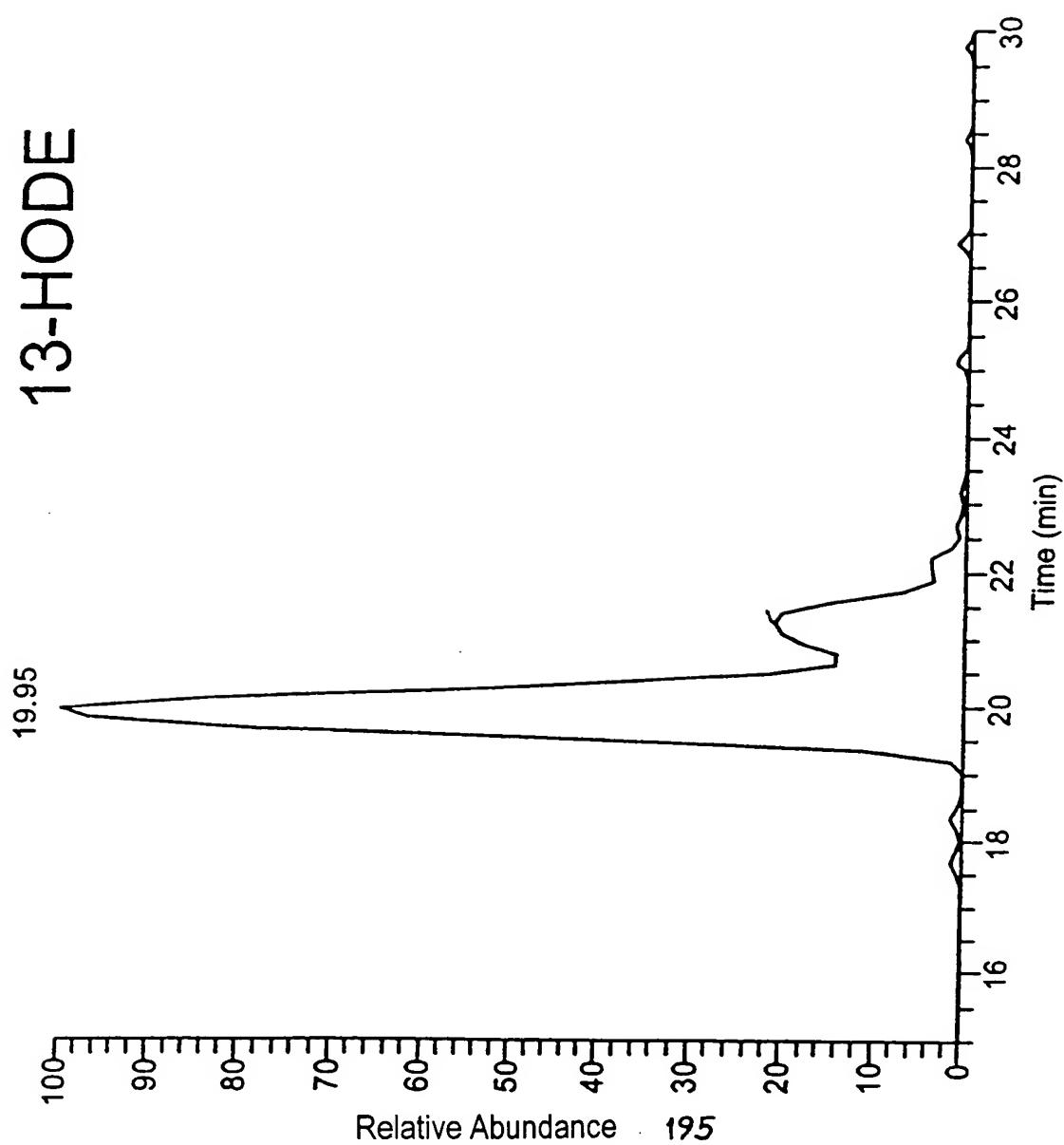


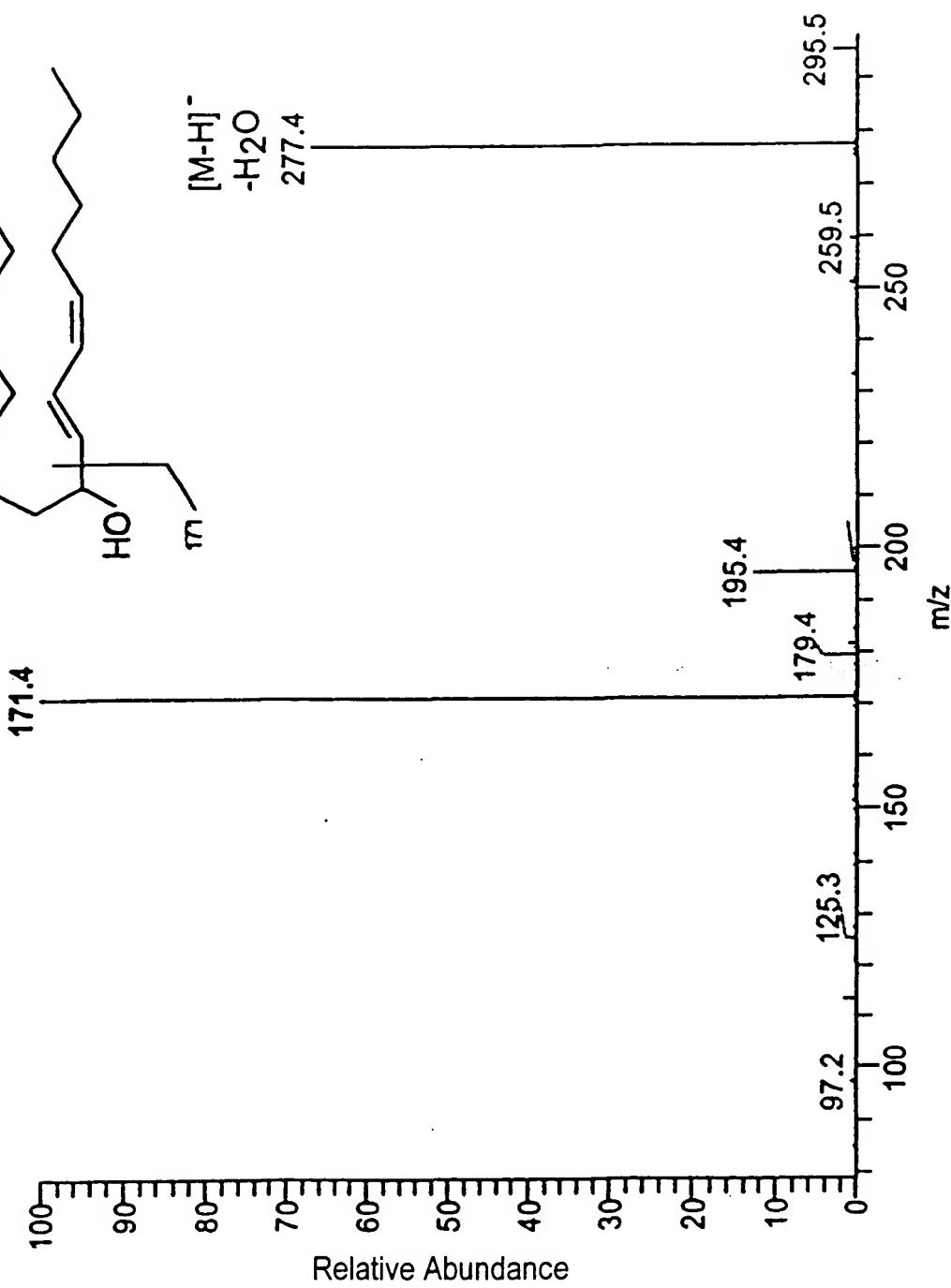
FIG. 10J

## 13-HODE



# MS/MS 9-HODE

FIG. 10K



# MS/MS 13-HODE

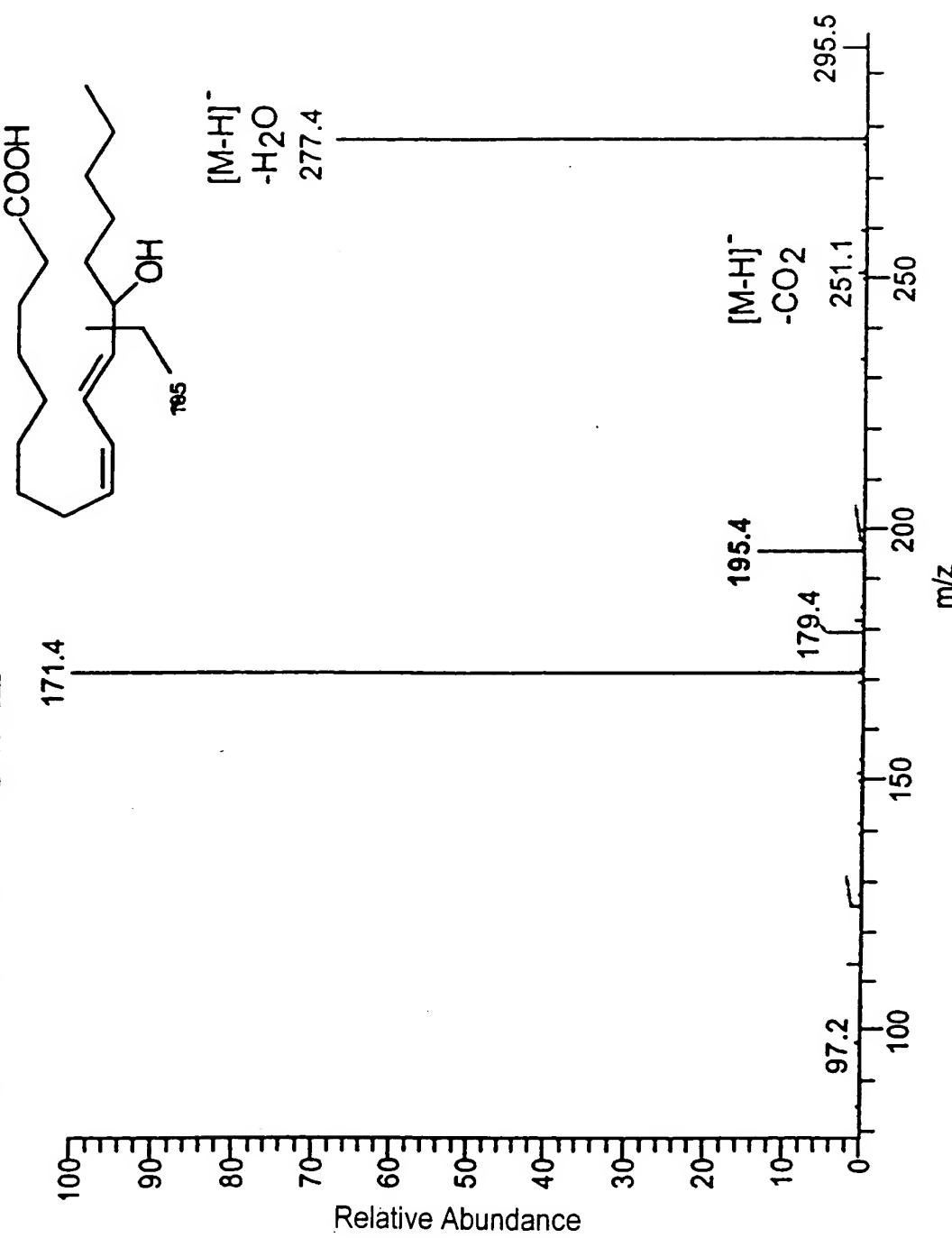


FIG. 10L

30/51

31/51

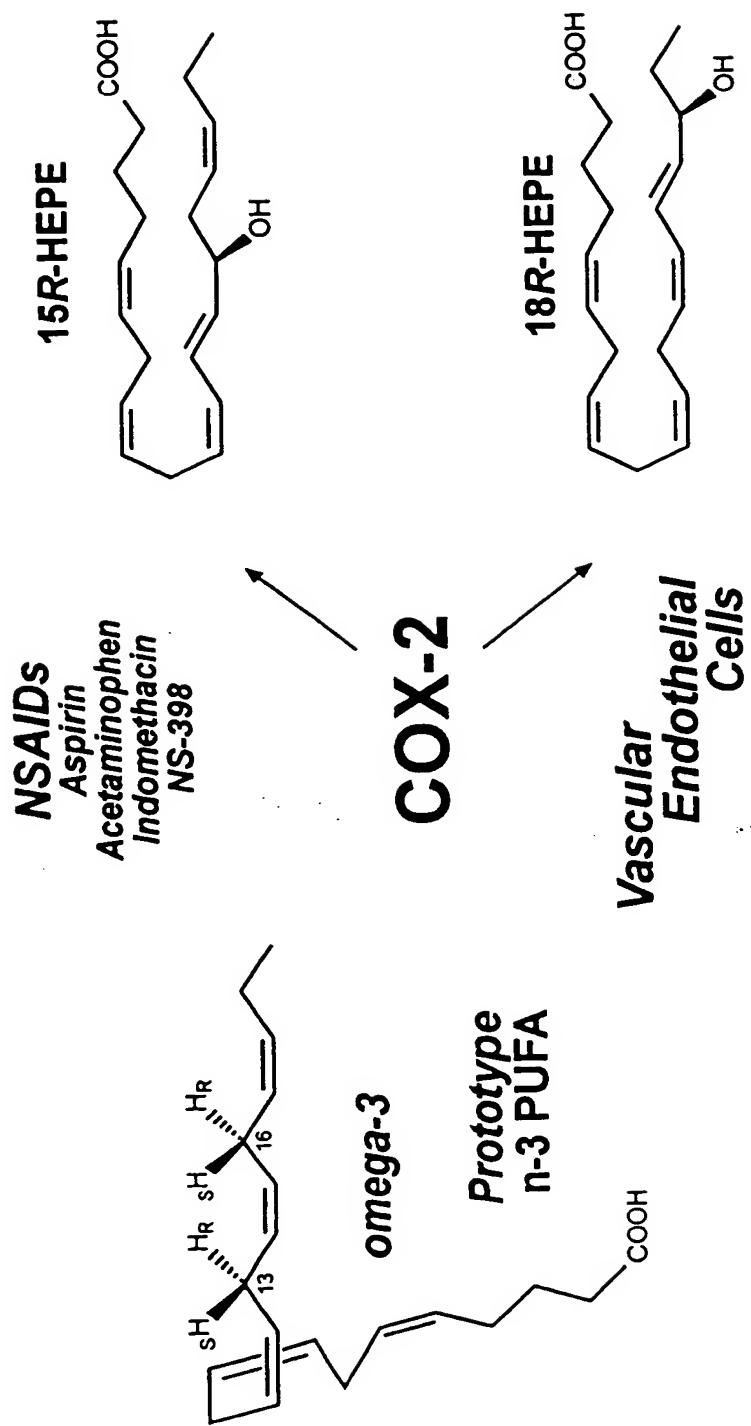


FIG. 11A

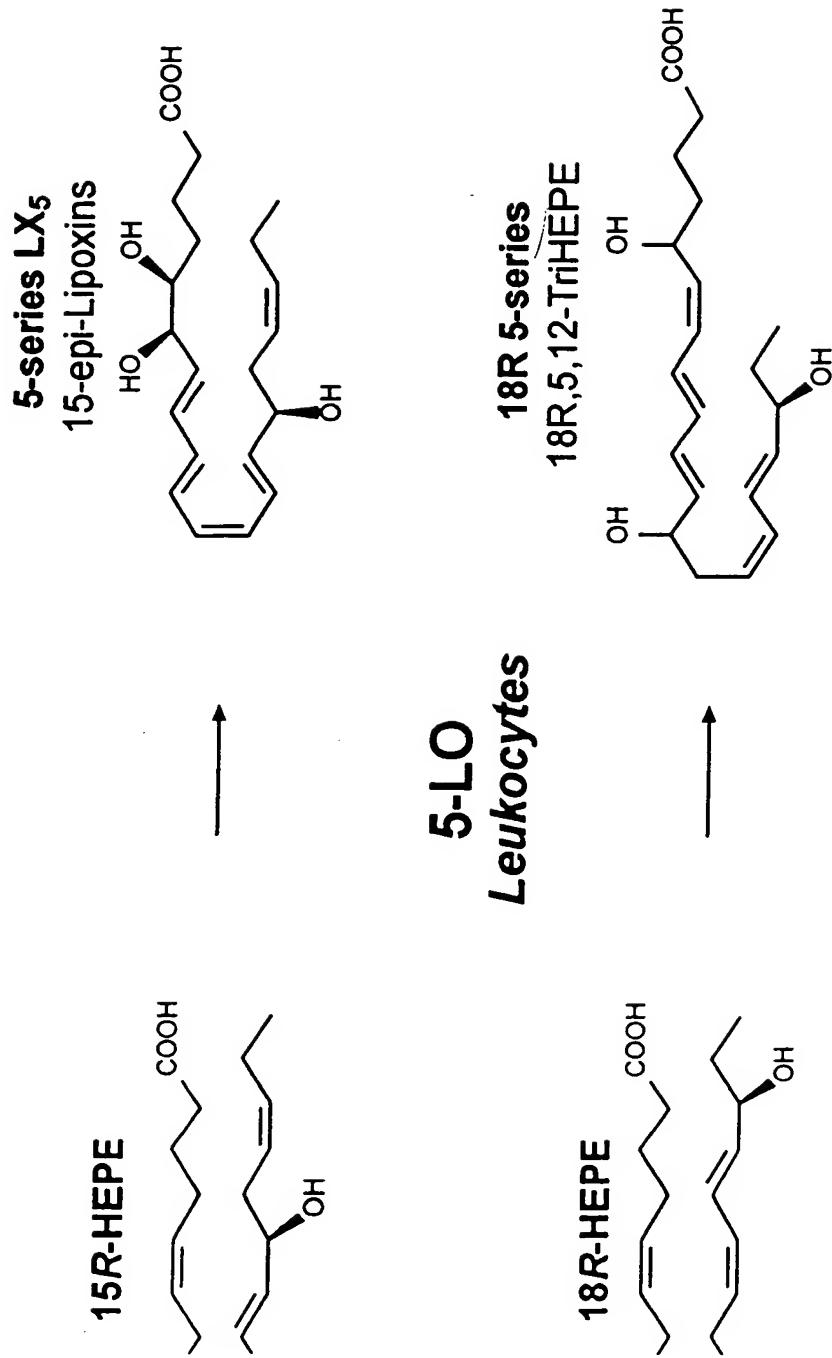


FIG. 11B

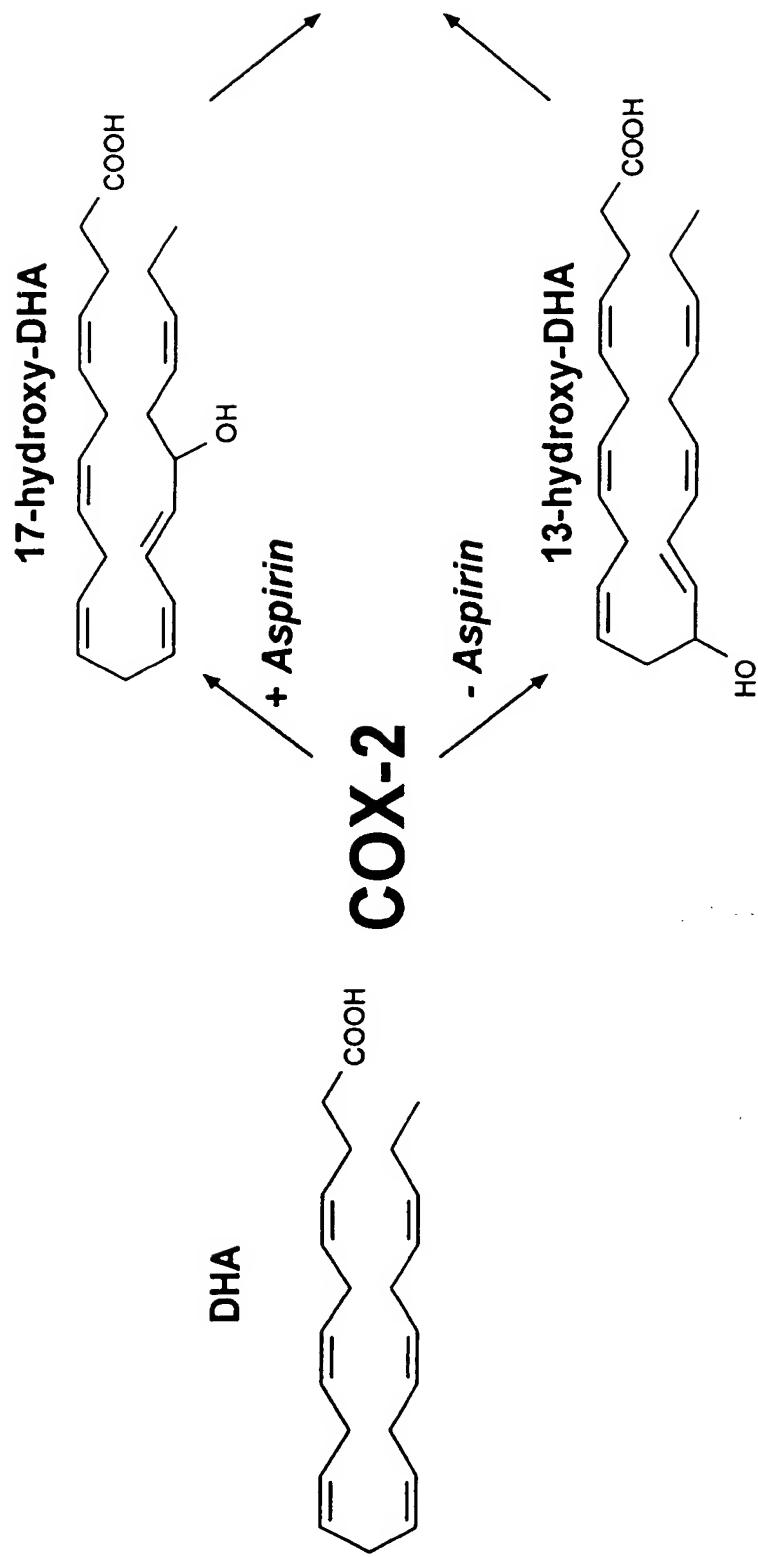


FIG. 11C

FIG. 11D

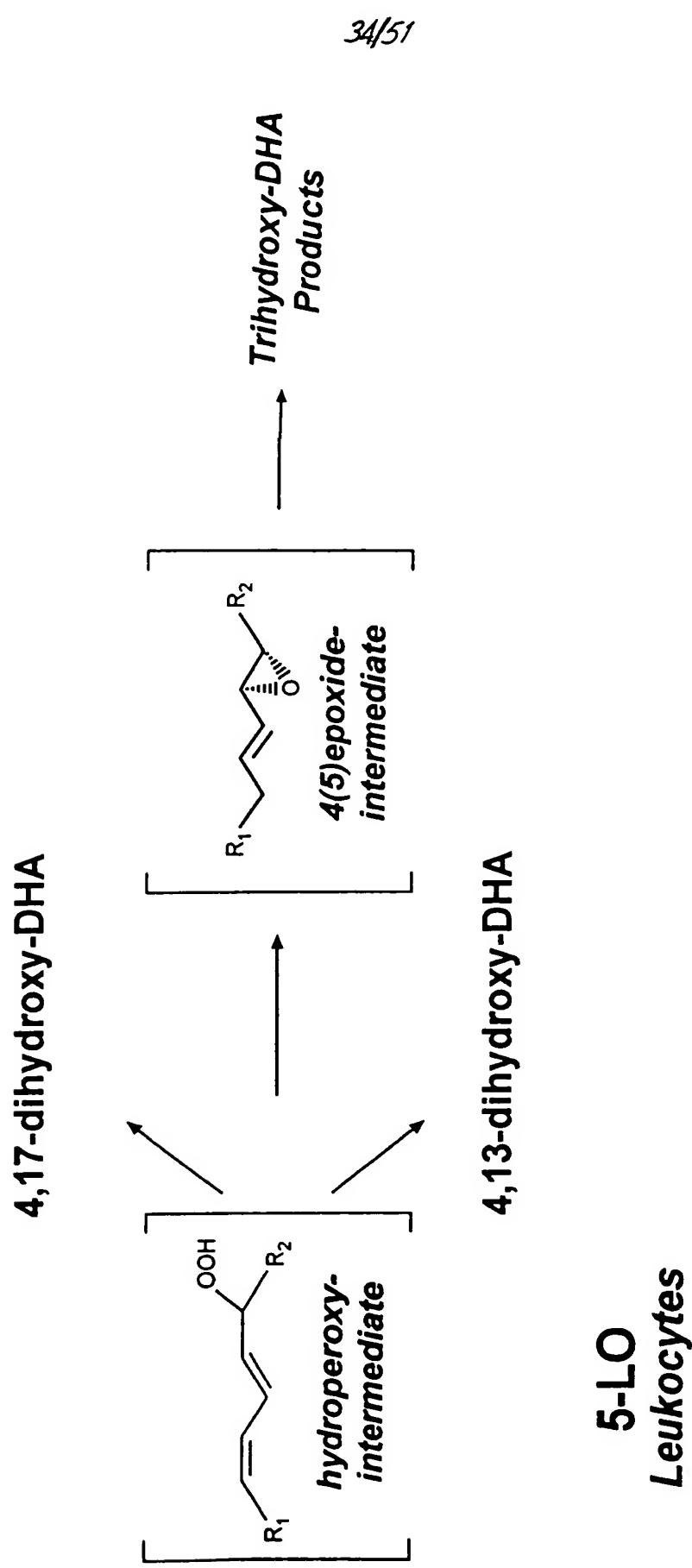


FIG. 12

## Aspirin Triggered / NSAIDs : New Pathways

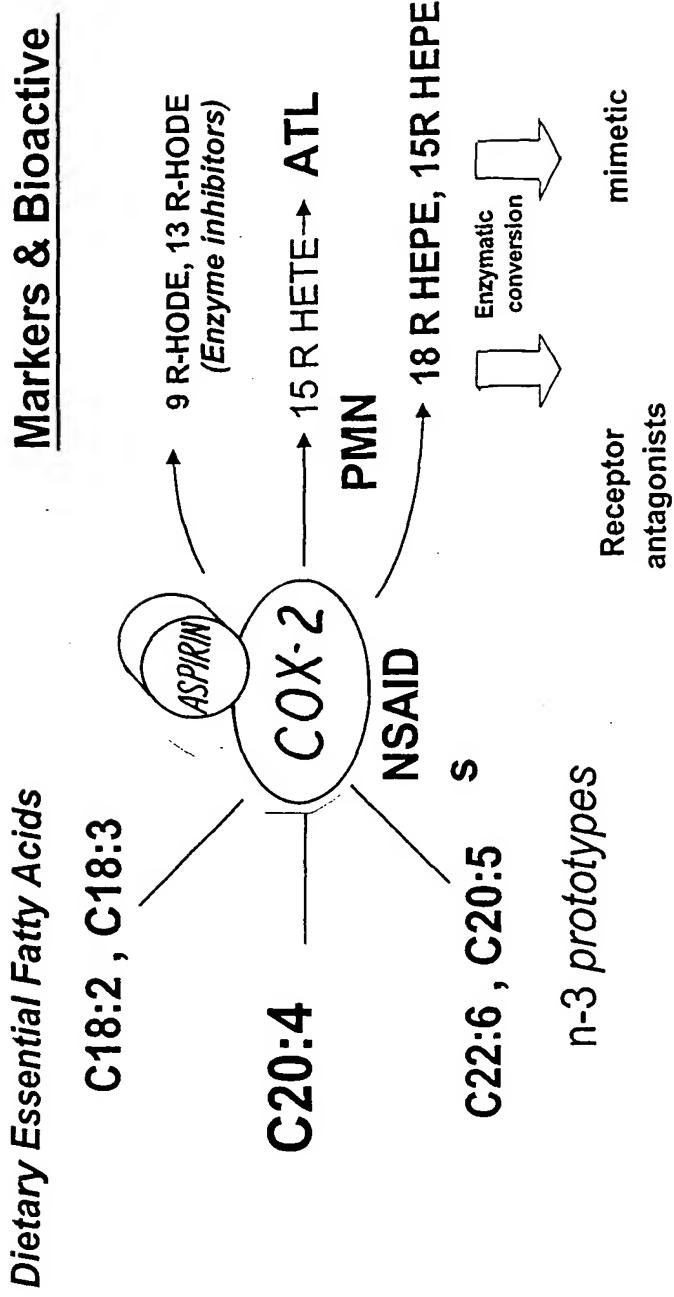


FIG. 13

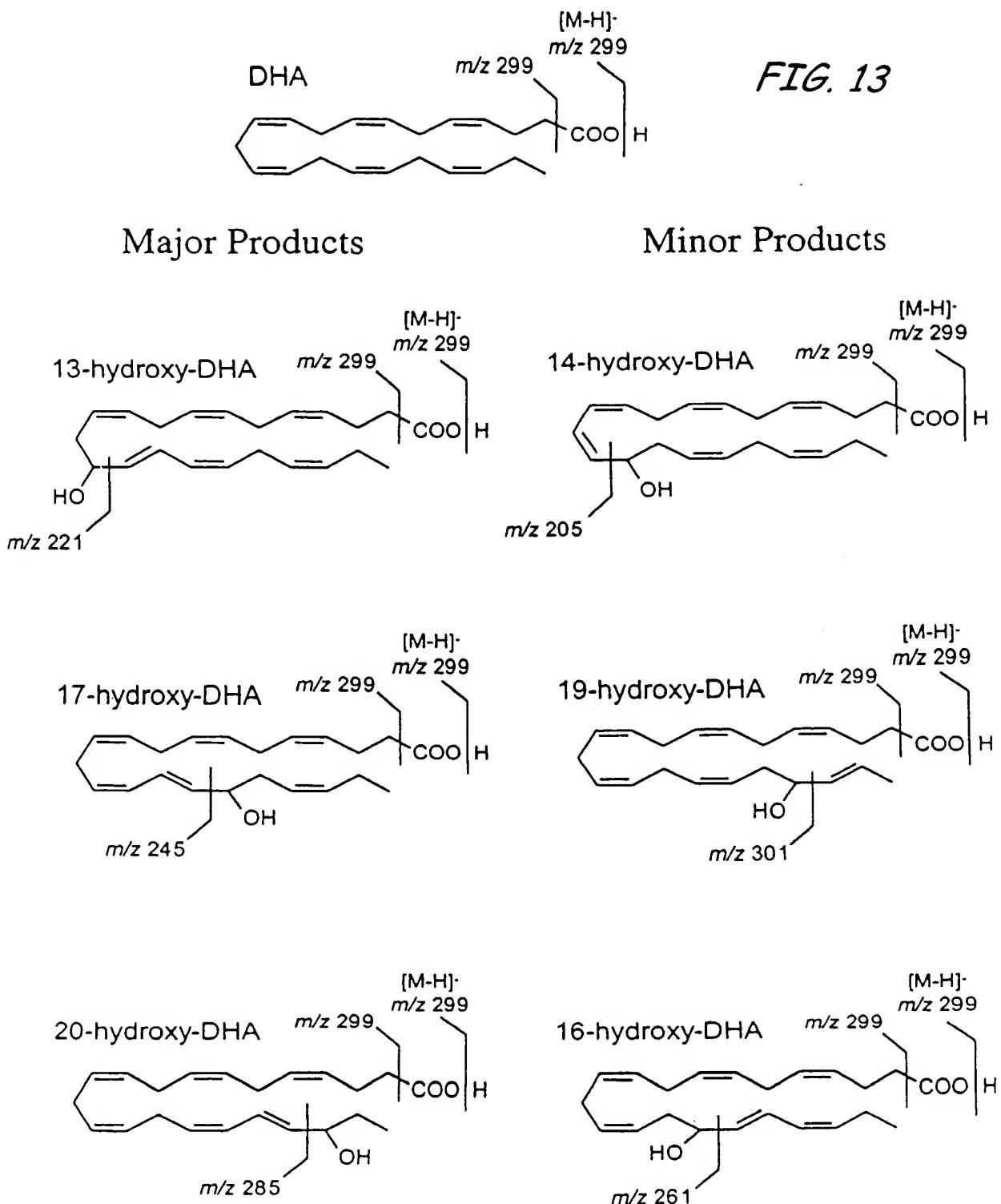


FIG. 14A

37/51

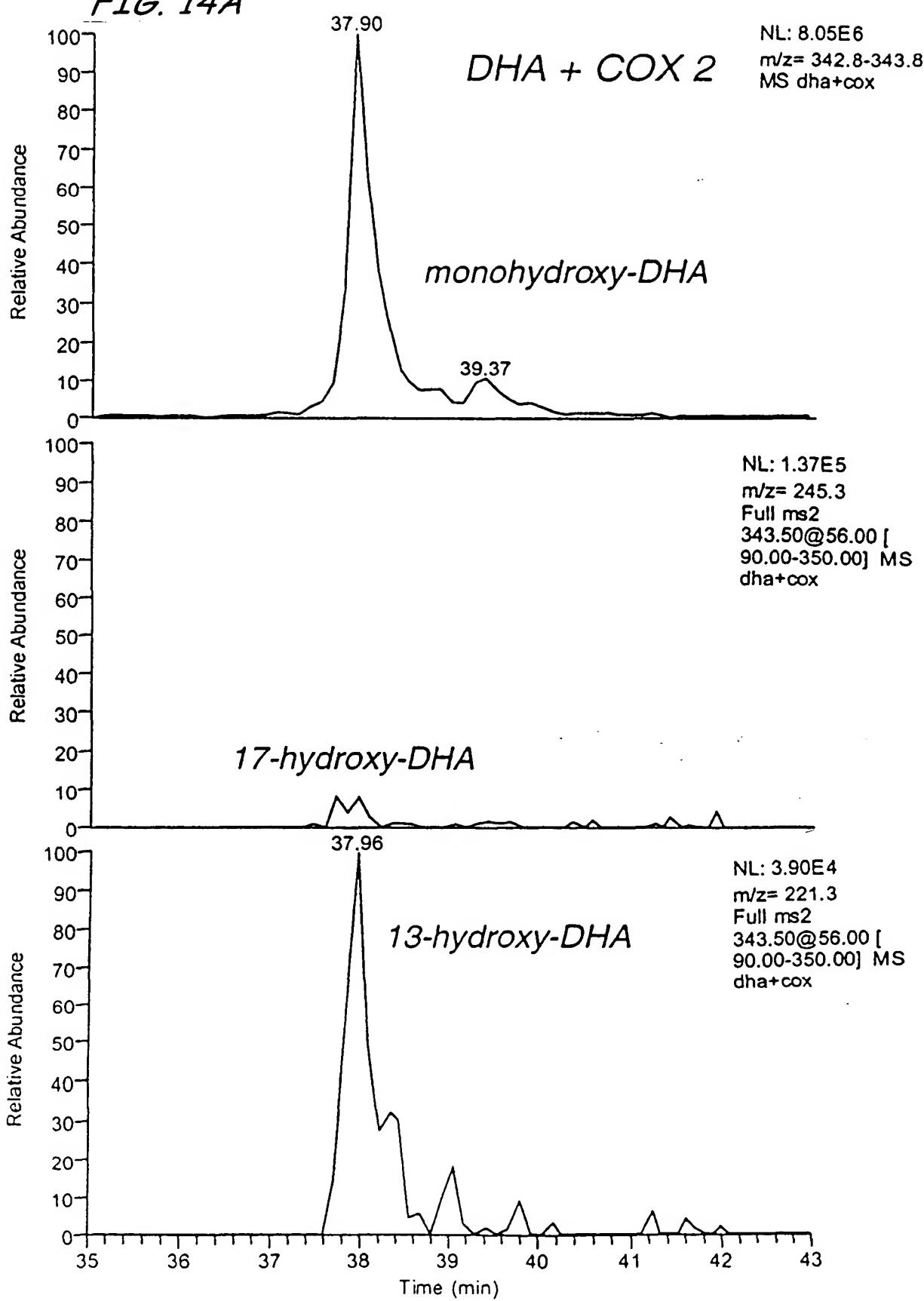


FIG. 14B

38/51

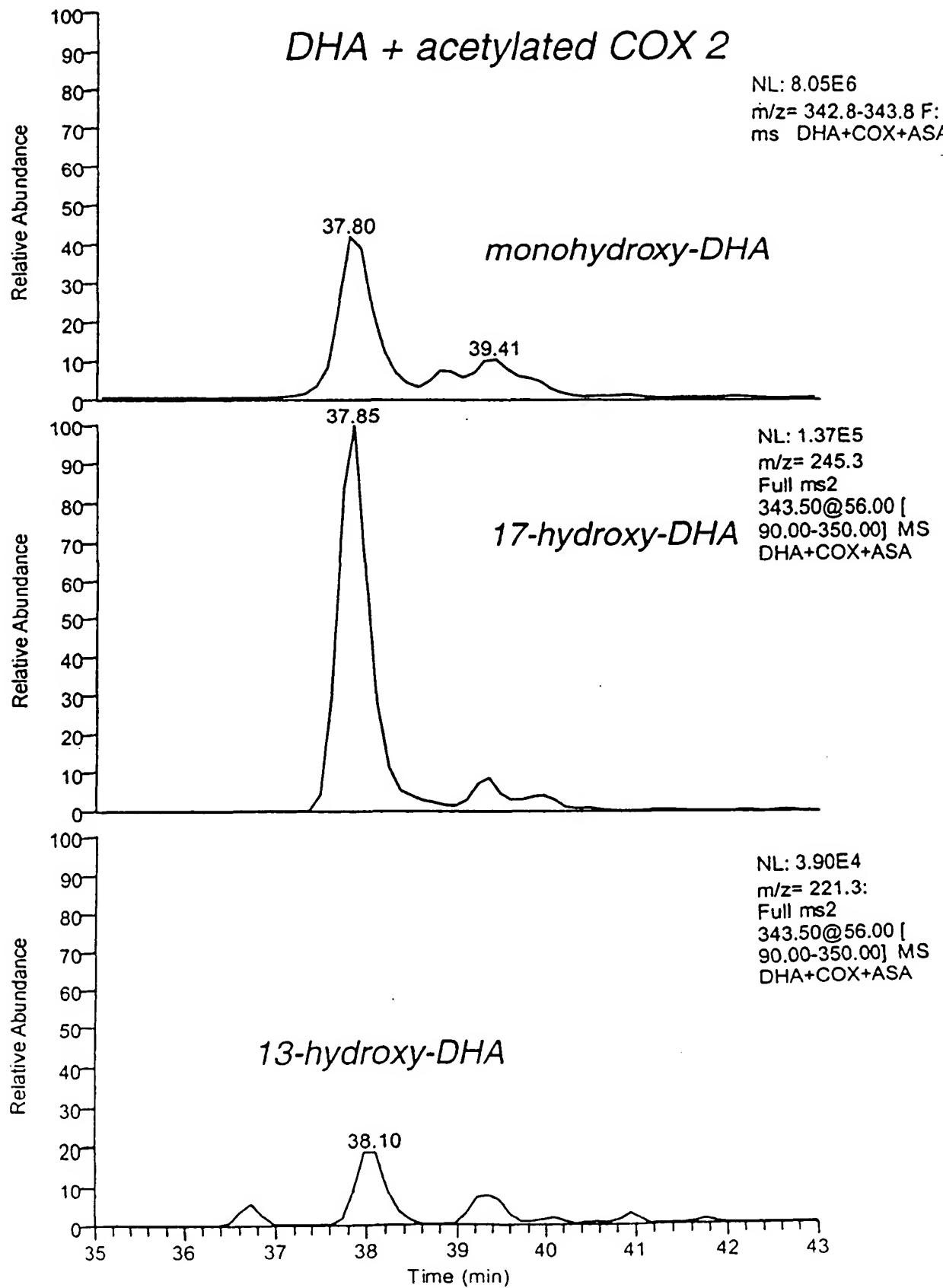


FIG. 14C

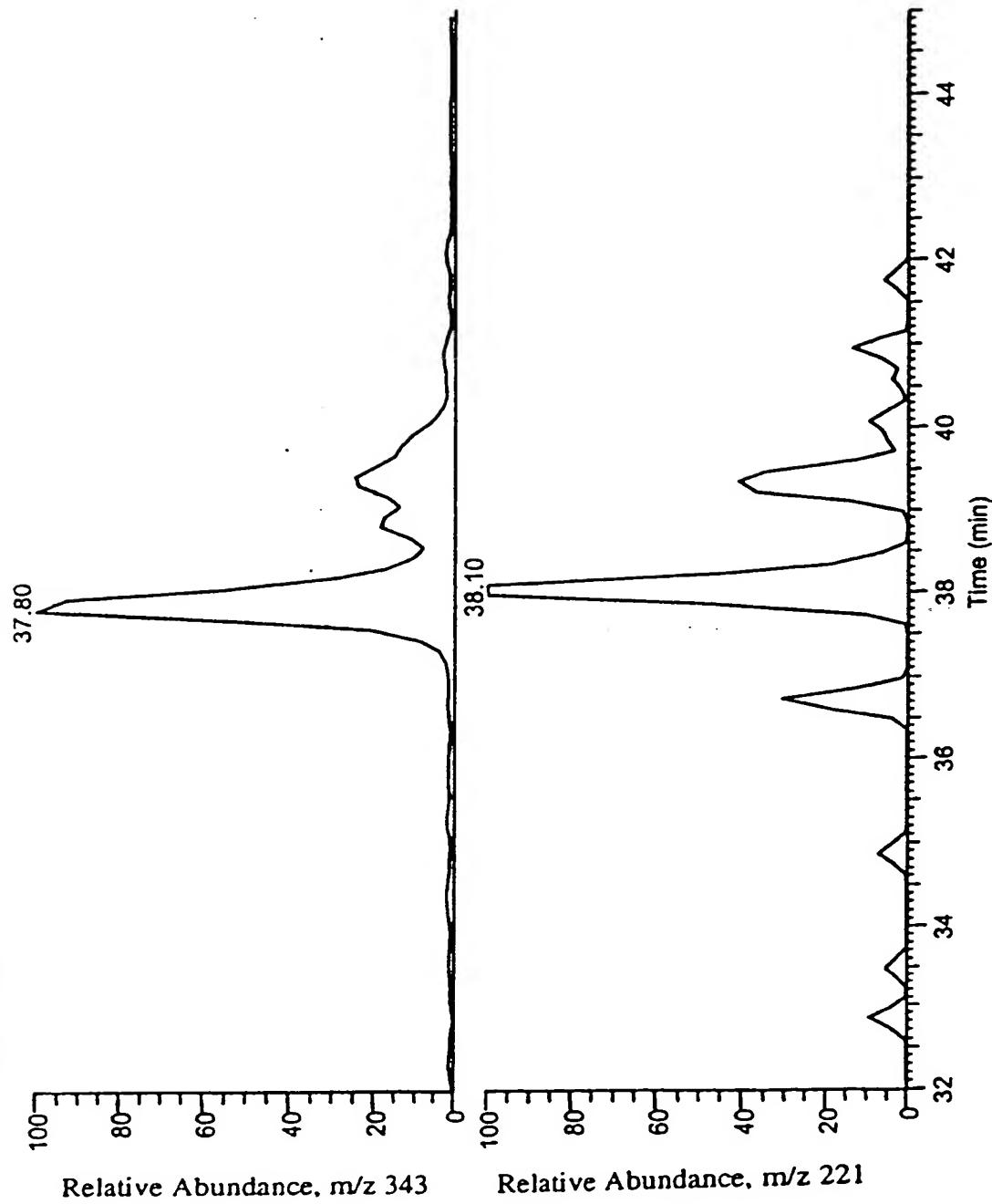
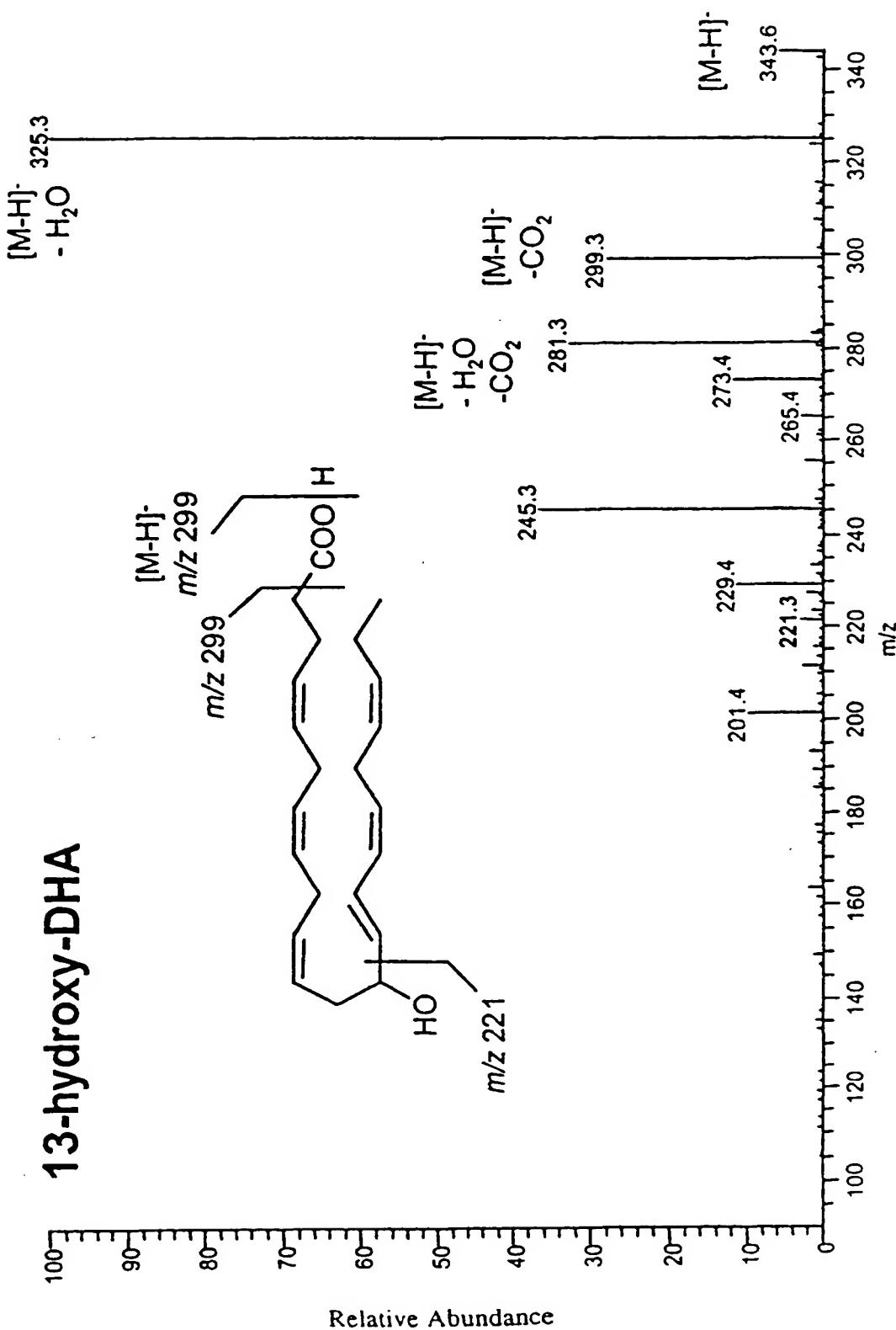


FIG. 14D

13-hydroxy-DHA



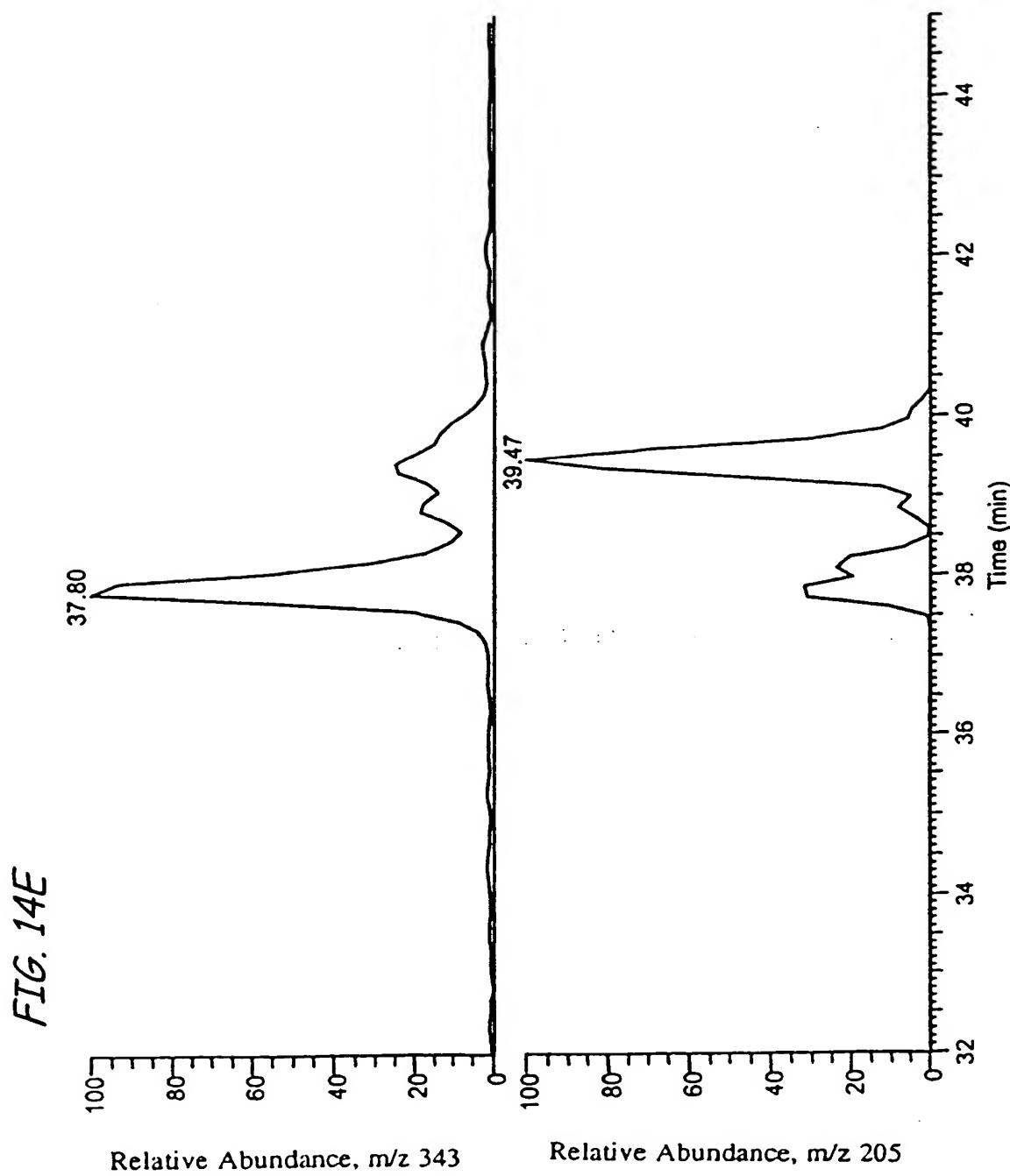


FIG. 14F

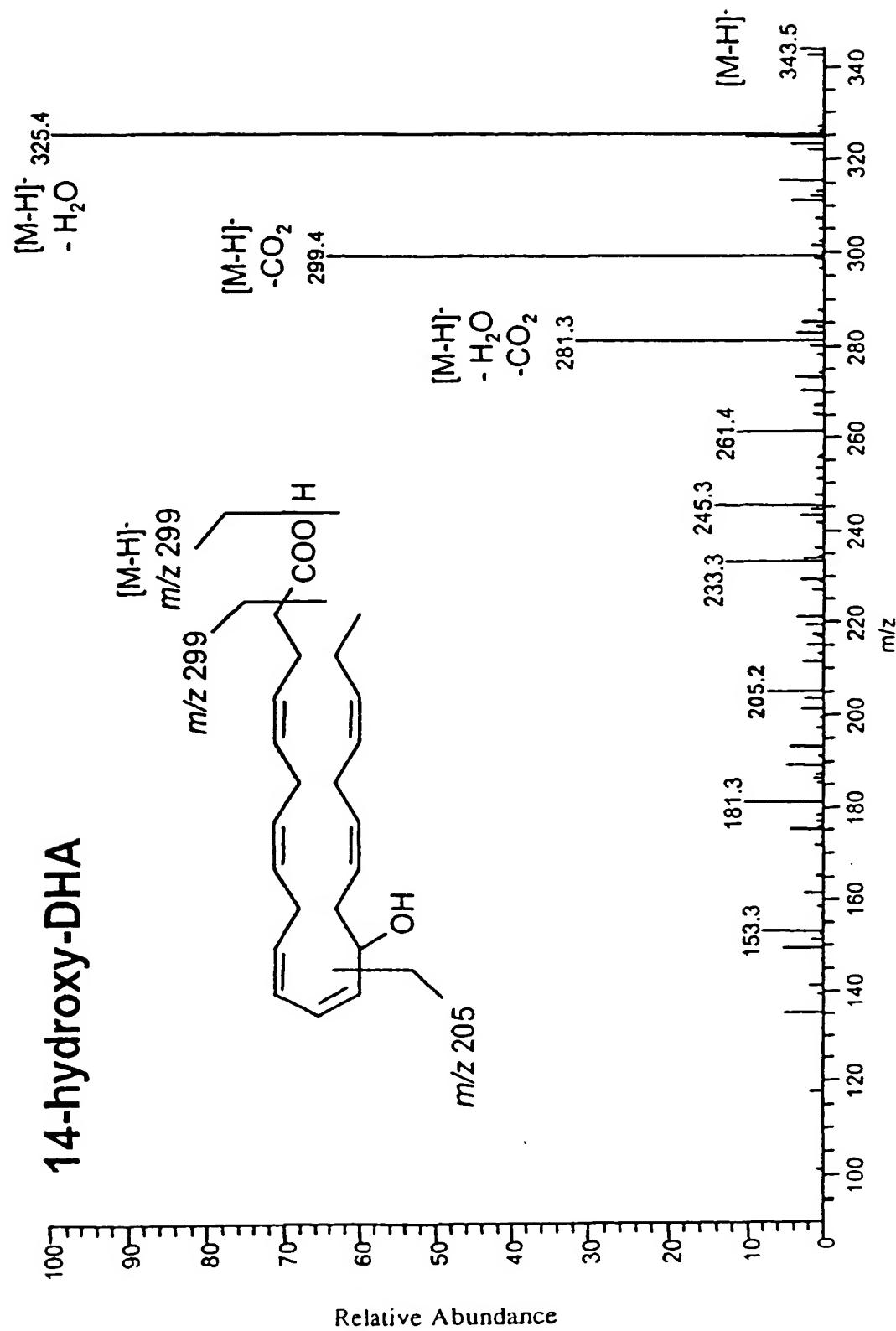


FIG. 146

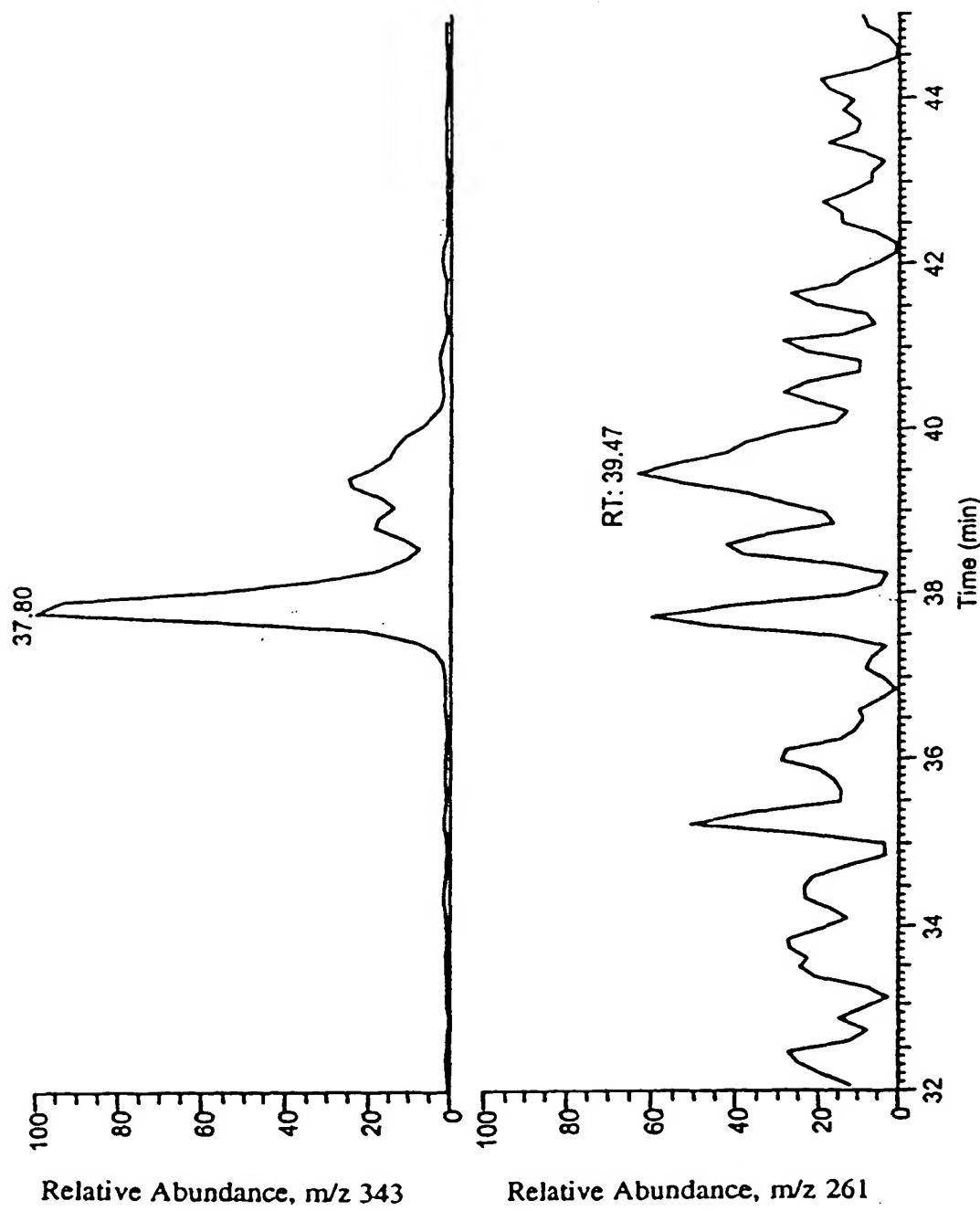


FIG. 14H

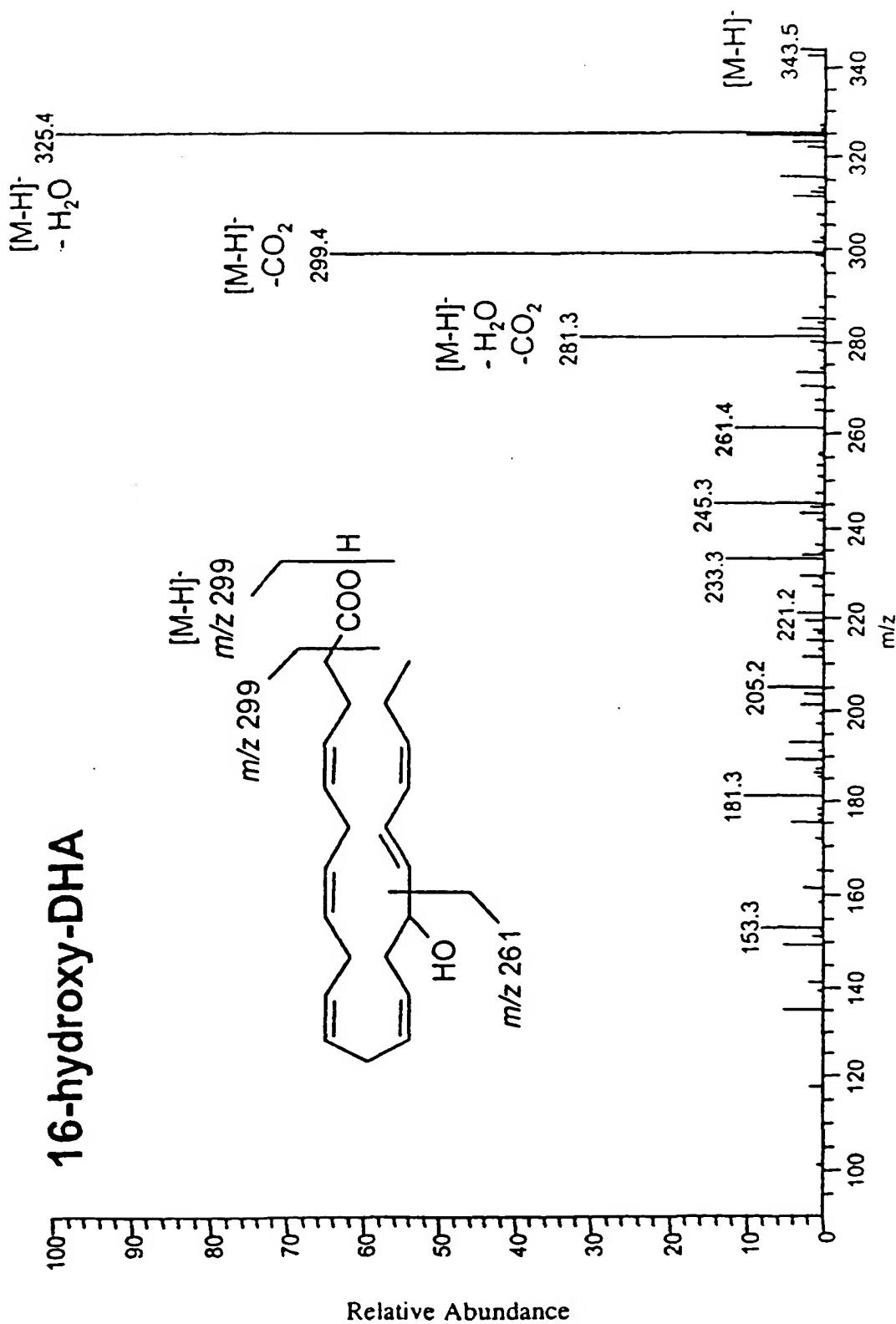


FIG. 14I

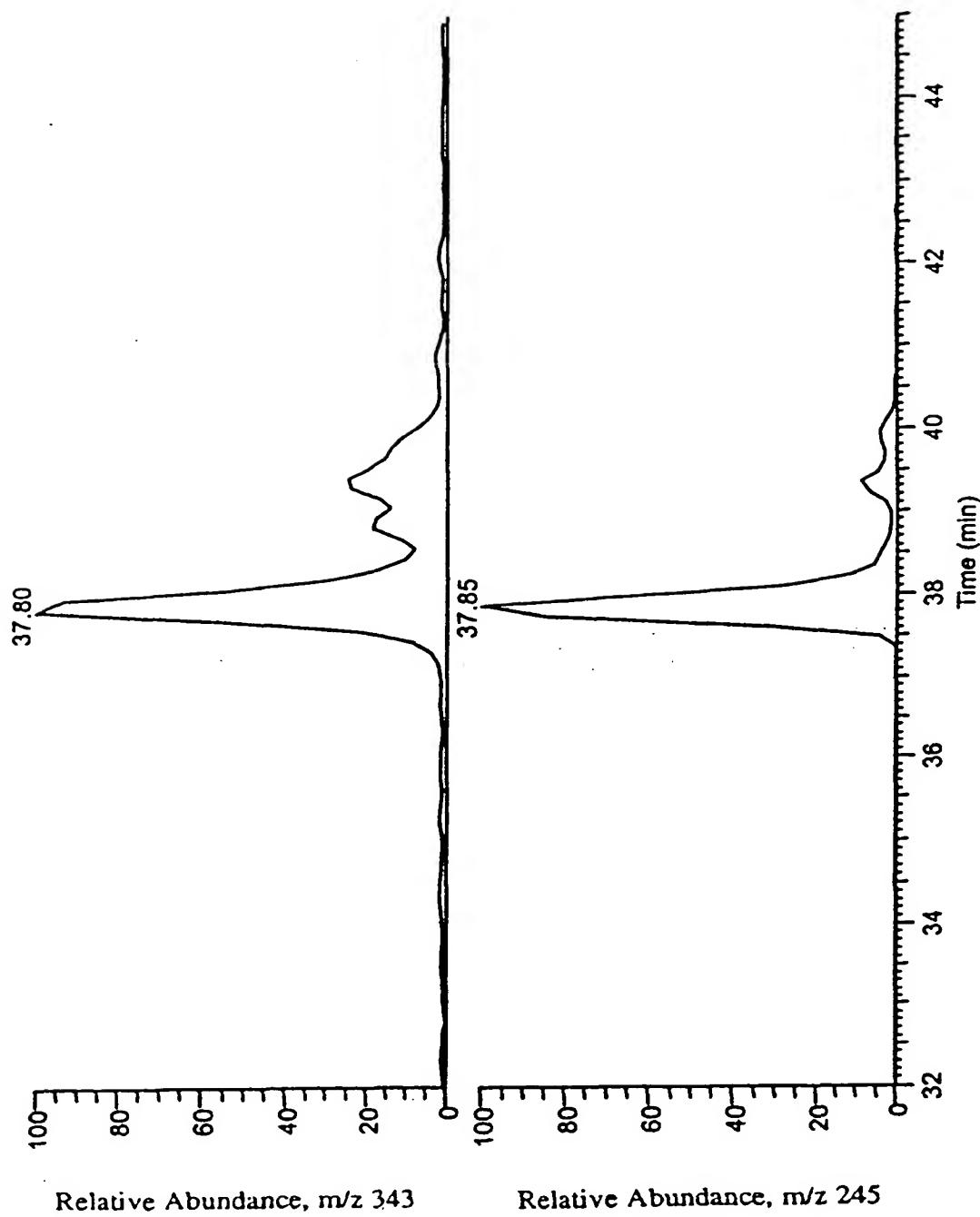


FIG. 14J

## 17-hydroxy-DHA

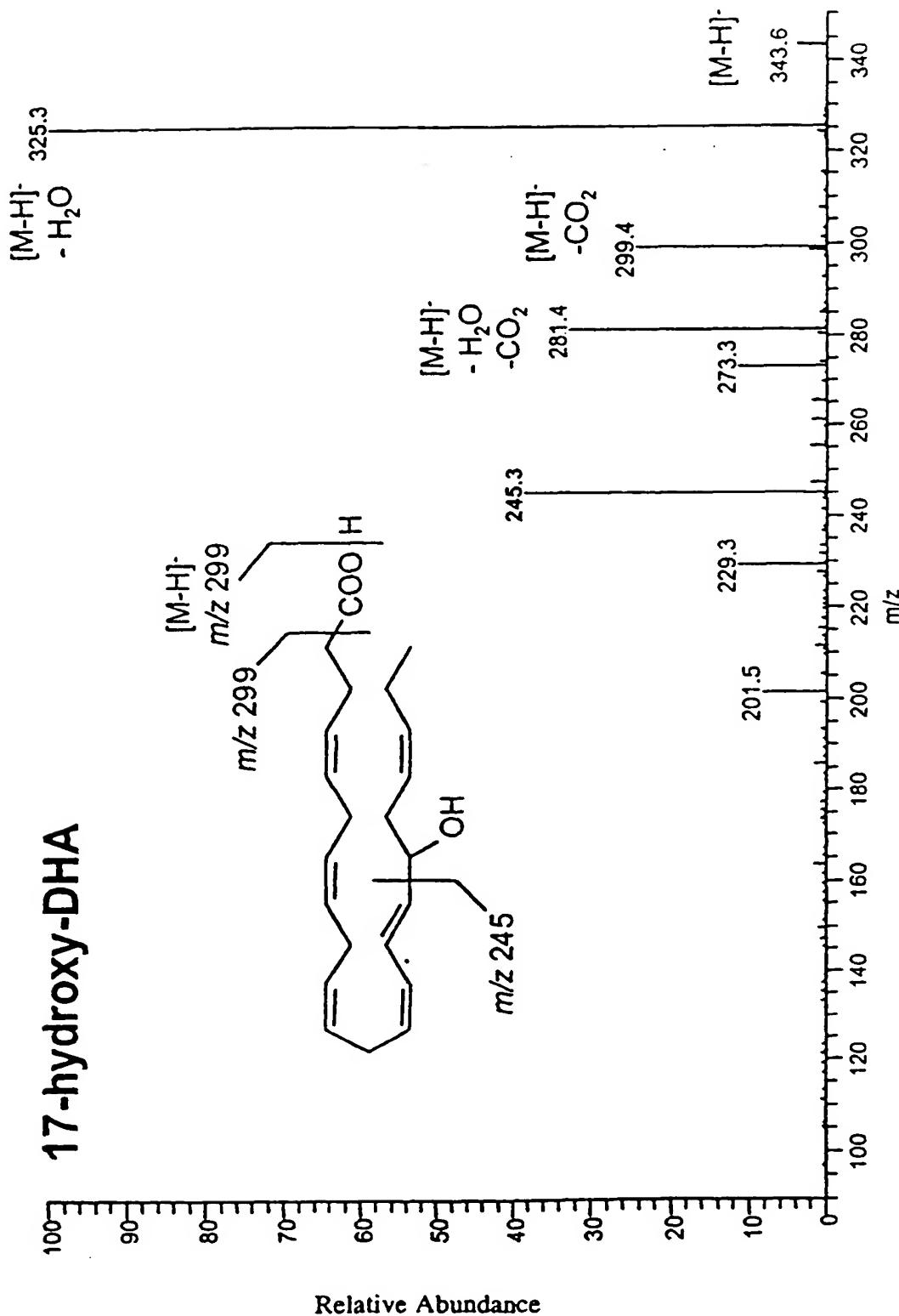


FIG. 14K

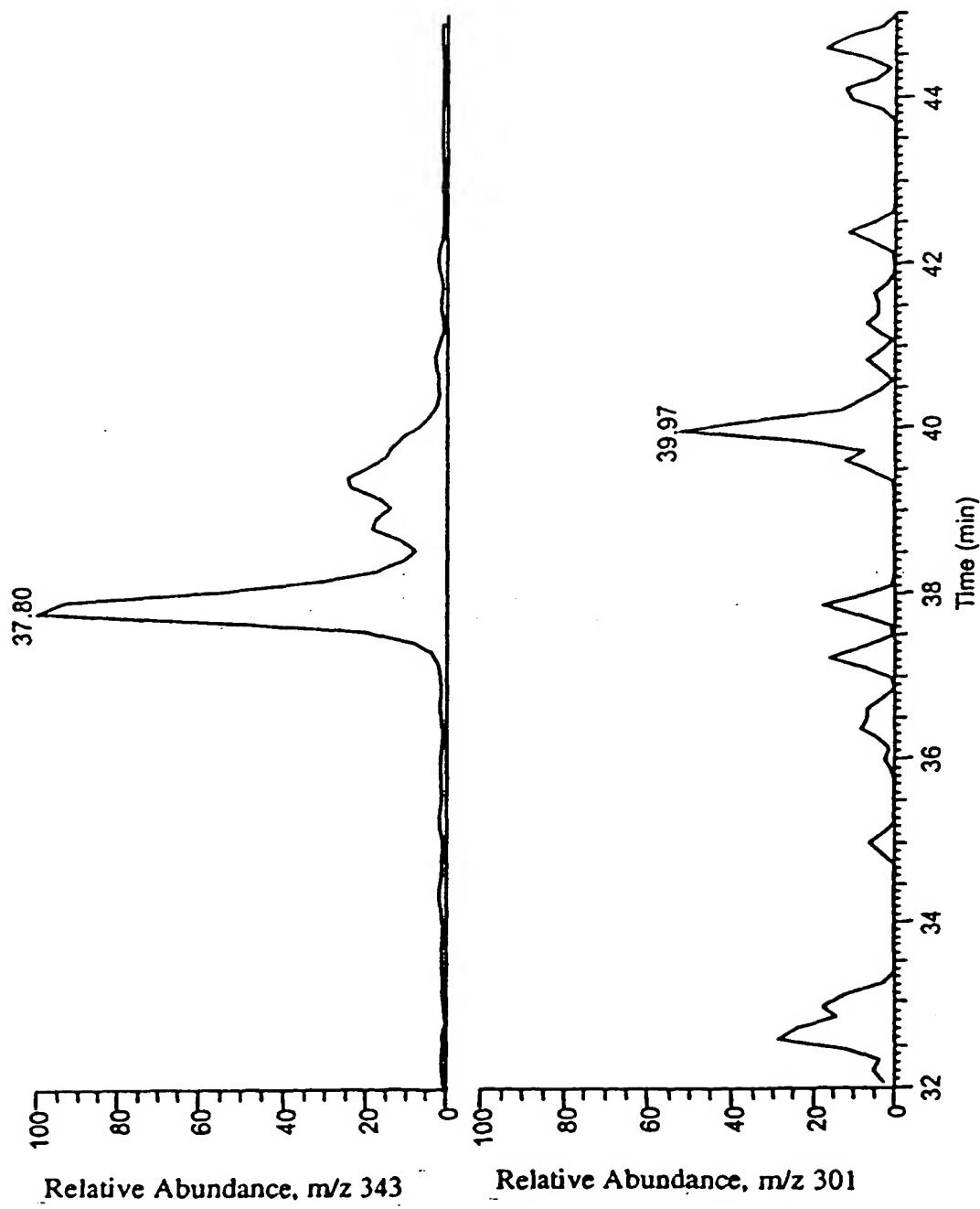


FIG. 14L

19-hydroxy-DHA

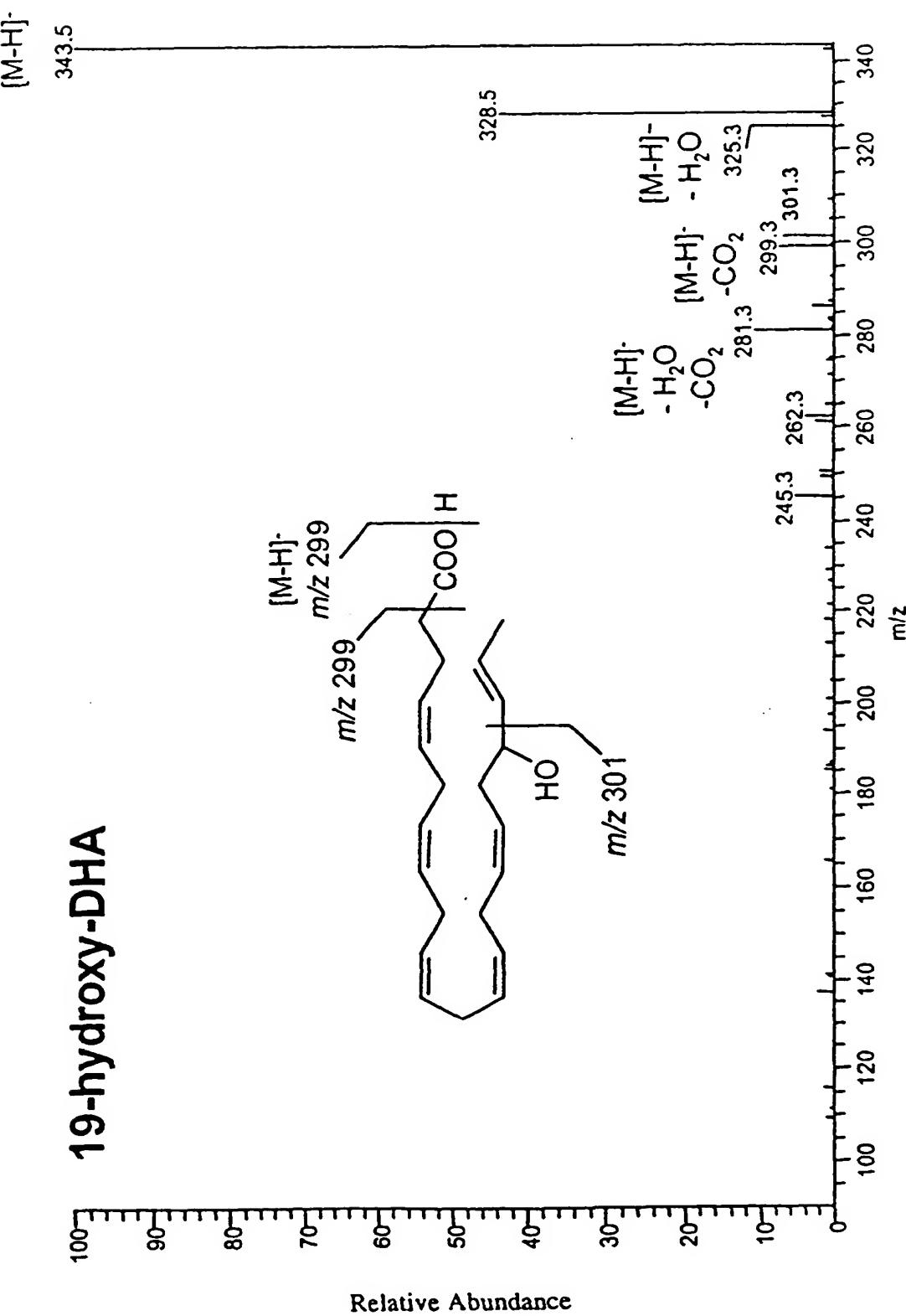


FIG. 14M

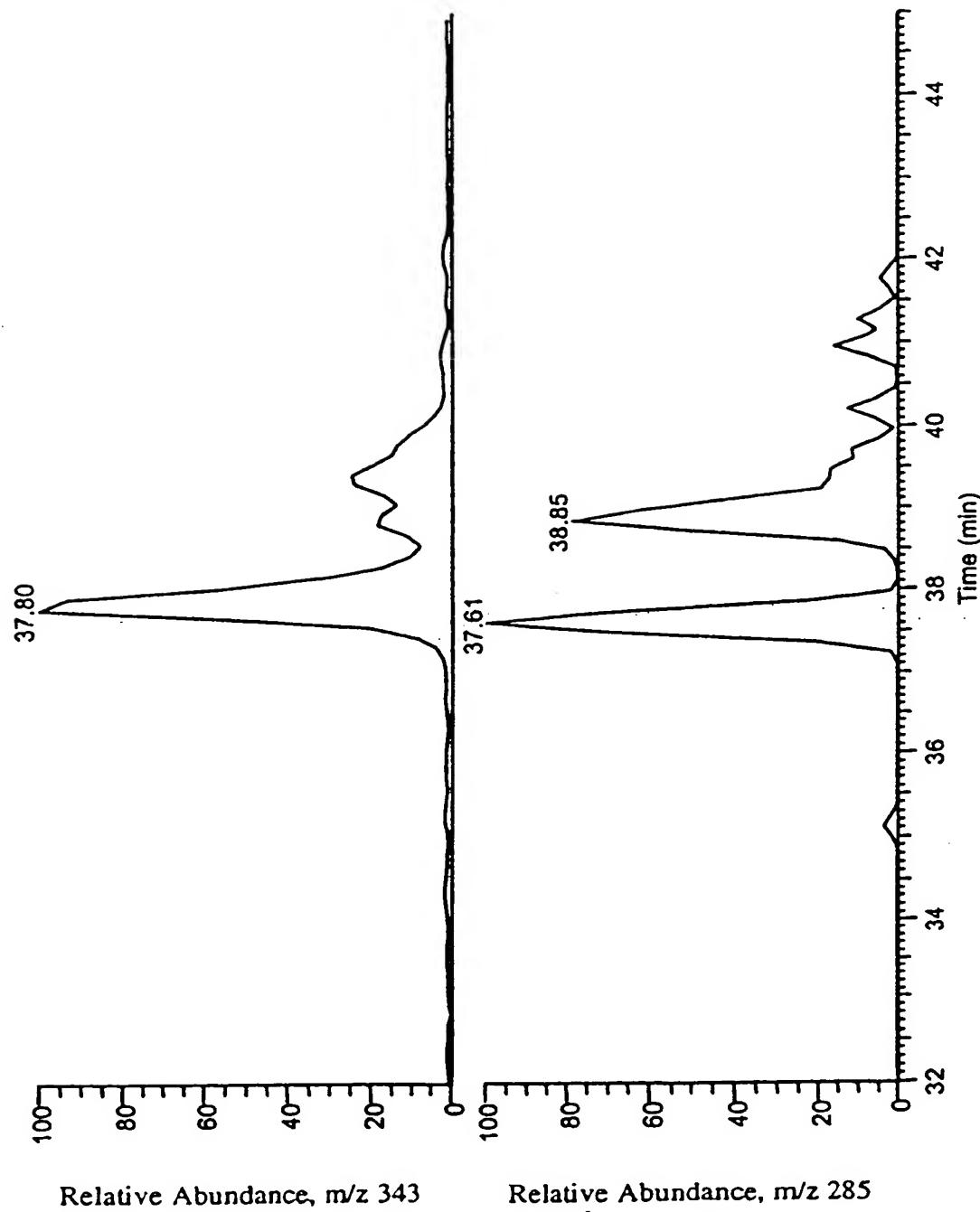
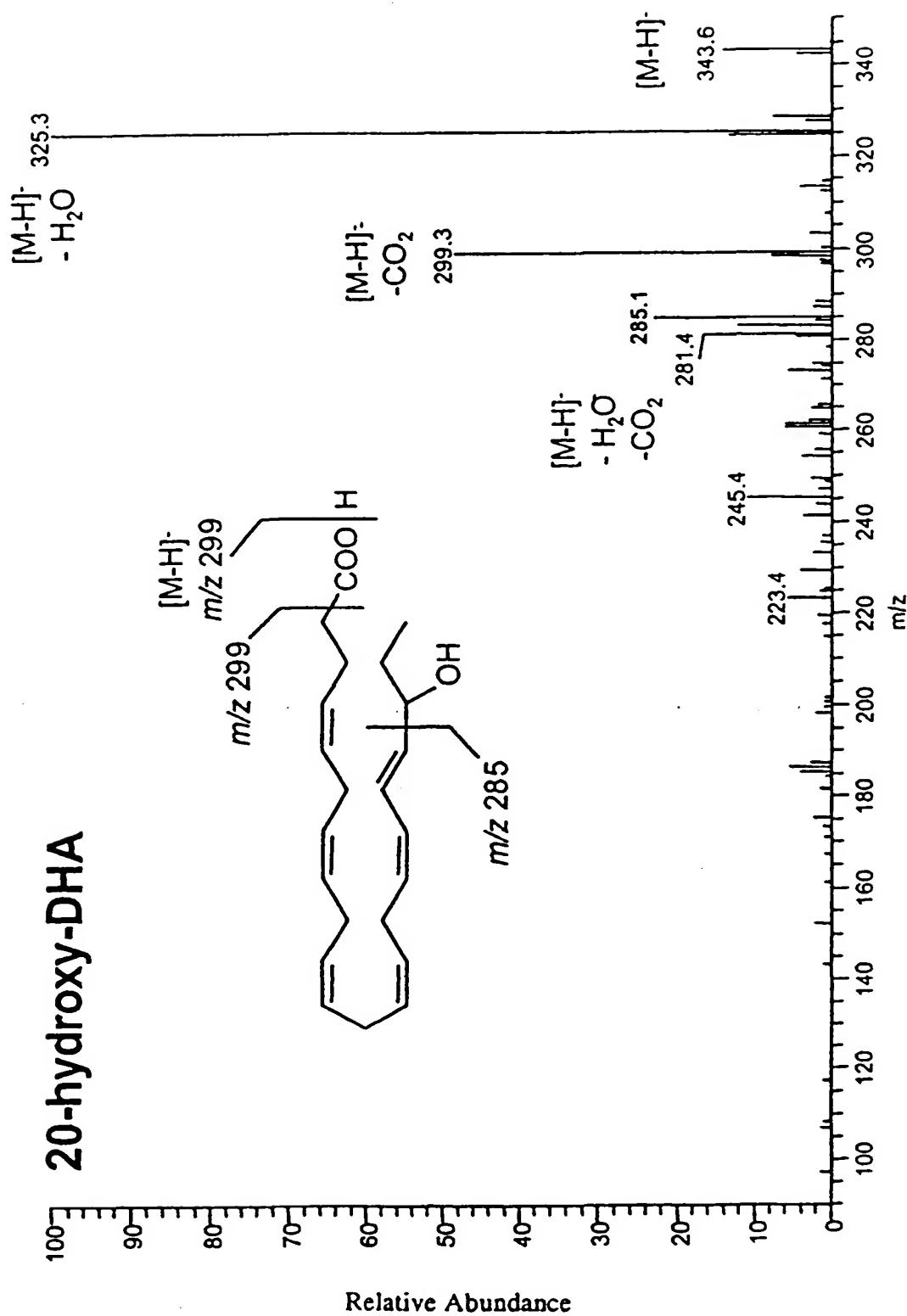


FIG. 14N

20-hydroxy-DHA



# PUFA & ASA-COX-2

FIG. 15

